

BioVendor new products

October 26, 2015

Dear customer, we would like to introduce our new products and hope you will find them interesting. Below is a list of events, in which we plan to participate in 2015:

19th Joint Meeting "Signal Transduction - Receptors, Mediators and Genes" (02 \ 11 \ 2015 - 04 \ 11 \ 2015 - Weimar)

MEDICA 2015 (16 \ 11 \ 2013 - 19 \ 11 \ 2015 - Düsseldorf)

XIX. Lipid Meeting Leipzig (10 \ 12 \ 2015 - 12 \ 12 \ 2015 - Leipzig)

IMMUNOASSAYS

» FEATURED PRODUCT: HUMAN CYCLOPHILIN A ELISA

Elevated concentrations of cyclophilin A in serum are associated with cardiovascular and kidney diseases, inflammatory conditions, cancer and severe sepsis.

- Validated for human serum and plasma (EDTA, heparin, citrate) samples
- High sensitivity (LOD 0.3 ng/ml)
- Short assay protocol
- All test procedures are performed at room temperature

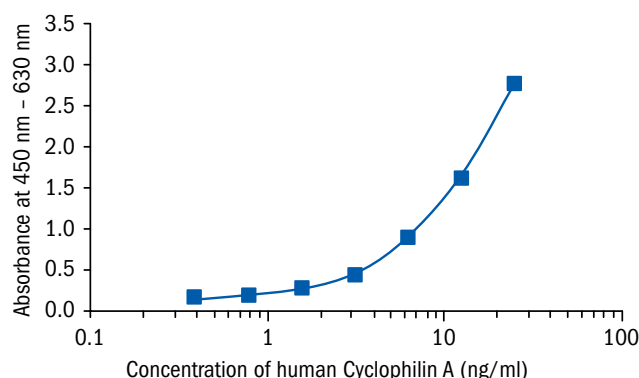
Cyclophilin A, a member of the immunophilin family, is the **major intercellular receptor of cyclosporin A** and is involved in mediating the immunosuppressive activity of this drug. However the protein exerts a lot of different extracellular activities.

Patients with **acute coronary syndrome** have high plasma concentrations of Cyclophilin A, it is also associated with **myocardial inflammation, ischemia and remodeling** and cyclophilin A is an important mediator of **angiotensin II-induced cardiac hypertrophy**.

Cyclophilin A is involved in key processes of kidney disease pathologies (**renal cell carcinoma, acute kidney injury, nephritis, and renal injury**) where high serum or urine cyclophilin A levels were published.

Cyclophilin A levels are higher in the serum and synovial fluids of **rheumatoid arthritis** patients and are also elevated in **tumors including non-small cell lung cancer, pancreatic adenocarcinoma, hepatocellular carcinoma, oral cancer, buccal squamous cell carcinomas and breast cancer**.

Cyclophilin A is also known to play critical roles in the **proliferation** of a number of viruses, including **HIV-1, influenza virus, HCV, vesicular stomatitis virus, vaccinia virus, SARS-CoV, rotavirus, human papillomavirus and Enterovirus-71**.



RELATED PRODUCTS

[RD172329100](#) Cyclophilin A Human *E. coli*

[RD272455100](#) Cyclophilin A Mouse *E. coli*

[RD372454100](#) Cyclophilin A Rat *E. coli*

NEW IMMUNOASSAYS

CAT. NO.		NAME		IVD/RUO	ASSAY FORMAT
RD120023	Human	Adiponectin	PENTASET	RUO	ELISA development kit
RD191394200R	Human	Collagen Triple Helix Repeat-Containing Protein 1	ELISA	RUO	Sandwich ELISA, Biotin-labelled antibody
RD191329200R	Human	Cyclophilin A	ELISA	RUO	Direct ELISA, Biotin-labelled antibody
RD220009	Mouse	Cystatin C	PENTASET	RUO	ELISA development kit
RD320009	Rat	Cystatin C	PENTASET	RUO	ELISA development kit
RD193324200R	Human	Decorin	ELISA	RUO	Sandwich ELISA, Biotin-labelled antibody
RIS025R	Human	Chromogranin A	ELISA	RUO	Sandwich ELISA, HRP-labelled antibody
RD120001	Human	Leptin	PENTASET	RUO	ELISA development kit
RD220001	Mouse	Leptin	PENTASET	RUO	ELISA development kit
RD320001	Rat	Leptin	PENTASET	RUO	ELISA development kit
RTC019R	Canine	Thyroid Stimulating Hormone	ELISA	RUO	Sandwich ELISA, HRP-labelled antibody
RTC700R	Canine	TSH Control Set	Set	RUO	

EXPANSION OF IVD PRODUCTS

Within the framework of our continuous expansion of **IVD products**, we are happy to announce that [Human Procalcitonin ELISA](#) and [Human GDF-15/MIC-1 ELISA](#) are now available for IVD use.

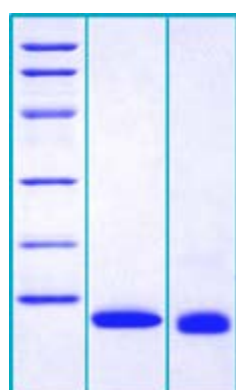
RECOMBINANT PROTEINS

» FEATURED PRODUCT: HUMAN SLURP-1 PROTEINS (MONOMERIC AND DIMERIC)

Secreted human Ly-6/uPAR-related protein 1 (SLURP-1) is an **endogenous neuromodulator** belonging to the Ly 6/uPAR family and acting on nicotinic acetylcholine receptors. SLURP1 has **antitumor** activity. It was found to be **a marker of late differentiation of the skin**. SLURP1 is implicated in maintaining the physiological and structural integrity of the keratinocyte layers of the skin. **Defects in SLURP1 are a cause of Mal de Meleda (MDM)**. MDM is a rare autosomal recessive skin disorder, characterised by diffuse transgressive palmoplantar keratoderma with keratotic lesions extending onto the dorsa of the hands and the feet (transgrediens).

BioVendor produces the recombinant Human SLURP-1 in E.coli as a strictly monomeric (RD172453100) and predominantly dimeric (RD172453100-D) forms. The monomer of the protein contains 89 AA. MW: 9.9 kDa (calculated). UniProtKB [acc.no.](#) P55000 (Leu23-leu103). N-terminal his-tag (8 extra AA). Protein identity confirmed by LC-MS/MS.

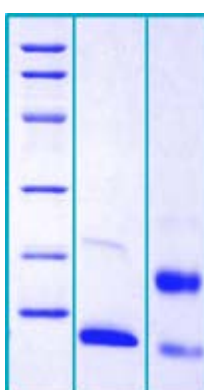
Human SLURP-1, E. coli - monomeric



14 % SDS-PAGE separation of Human SLURP-1 monomeric:

1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa
2. Reduced and boiled sample, 2.5 µg/lane
3. Non-reduced and non-boiled sample, 2.5 µg/lane

Human SLURP-1, E. coli - dimeric



14 % SDS-PAGE separation of Human SLURP-1 dimeric:

1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa
2. Reduced and boiled sample, 2.5 µg/lane
3. Non-reduced and non-boiled sample, 2.5 µg/lane

NEW RECOMBINANT PROTEINS

CAT. NO.		NAME		SIZE	SOURCE
RD172487100	Human	CUB and Zona Pellucida-like Domain-containing Protein 1	Rec. Prot.	0.1 mg	HEK293
RD172453100	Human	SLURP-1 - monomeric	Rec. Prot.	0.1 mg	<i>E. coli</i>
RD172453100-D	Human	SLURP-1 - dimeric	Rec. Prot.	0.1 mg	<i>E. coli</i>

OTHER CHANGES

For the following products the acceptable level of endotoxin has been reduced:

CAT. NO.		NAME		SIZE	SOURCE
RD172023100	Human	Adiponectin	Rec. Prot.	0.1 mg	HEK293
RD172091100	Human	Adiponectin (Trimeric form)	Rec. Prot.	0.1 mg	HEK293
RD272023100	Mouse	Adiponectin	Rec. Prot.	0.1 mg	HEK293
RD272091100	Mouse	Adiponectin (Trimeric form)	Rec. Prot.	0.1 mg	HEK293
RD572023100	Porcine	Adiponectin	Rec. Prot.	0.1 mg	HEK293
RD172092050-HEK	Human	Angiopoietin-Like Protein 3	Rec. Prot.	0.05 mg	HEK293
RD172367100	Human	Angiotensinogen	Rec. Prot.	0.1 mg	HEK293
RD172101100	Human	Apolipoprotein A5	Rec. Prot.	0.1 mg	HEK293
RD172118100-HEK	Human	Apolipoprotein D	Rec. Prot.	0.1 mg	HEK293
RD172418100	Human	Cadherin-1	Rec. Prot.	0.1 mg	HEK293
RD172080100	Human	Cartilage Oligomeric Matrix Protein	Rec. Prot.	0.1 mg	HEK293
RD472034100-HEK	Canine	Clusterin	Rec. Prot.	0.1 mg	HEK293
RD172172100	Human	Fetuin-B	Rec. Prot.	0.1 mg	HEK293
RD172132100	Human	sFRP4	Rec. Prot.	0.1 mg	HEK293
RD172041050	Human	Insulin Receptor	Rec. Prot.	0.05 mg	HEK293
RD172122100-HEK	Human	Lecithin-cholesterol acyltransferase	Rec. Prot.	0.1 mg	HEK293
RD172170100	Human	Osteoactivin/GPNMB	Rec. Prot.	0.1 mg	HEK293
RD172165100	Human	Peptidase inhibitor 16	Rec. Prot.	0.1 mg	HEK293
RD172114100-HEK	Human	Pigment epithelium-derived factor	Rec. Prot.	0.1 mg	HEK293
RD172167100-HEK	Human	Renin	Rec. Prot.	0.1 mg	HEK293
RD172338100	Human	SAP Protein	Rec. Prot.	0.1 mg	HEK293
RD172125020	Human	Xylosyltransferase 2	Rec. Prot.	0.02 mg	HEK293
RD172093100	Human	Zinc-Alpha-2-Glycoprotein	Rec. Prot.	0.1 mg	HEK293

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