

PRODUCT DATA SHEET

Cartilage Oligomeric Matrix Protein Human HEK293

Cat. No.: RD172080100**Size:** 0.1 mg**Source:** HEK293**Type:** Recombinant protein**Species:** Human**Other Names:**

COMP, Thrombospondin-5, TSP5

Description:

Total 750 AA. MW: 82.4 kDa (calculated). UniProtKB acc.no. P49747. N-Terminal FLAG-tag, 13 extra AA. Protein identity confirmed by MS.

Amino Acid Sequence:

HVDYKDDDDK	PAGQGQSP LG	SDLGPQMLRE	LQETNAALQD	VRELLRQQVR	EITFLKNTVM
ECDACGMQQS	VRTGLPSVRP	LLHCAPGFCF	PGVACIQTES	GARCGPCPAG	FTGNNGSHCTD
VNECNAHPFCF	PRVRCINTSP	GFRCEACPPG	YSGPTHQGVG	LAFAKANKQV	CTDINECETG
QHNCVPNSVC	INTRGSFQCG	PCQP GFVGDQ	ASGCORRAQR	FCPDGSP SEC	HEHADCVLER
DGSRSCVCAV	GWAGNGILCG	RDTDLDGFDP	EKLRCPERQC	RKDNCVTVPN	SGQEDVDRDG
IGDACDPDAD	GDGVPNEKDN	CPLVRNPDQR	NTDEDKWGDA	CDNCRSQKND	DQKDTDQDGR
GDACDDDIDG	DRIRNQADNC	PRVPNSDQKD	SDGDGIGDAC	DNCPQKSNPD	QADVDHDFVG
DACDSDQDQD	GDGHQDSRDN	CPTVPNSAQE	DSDHDGQGDA	CDDDDNDNGV	PDSRDNCRLV
PNPQGQEDADR	DGVGDVCQDD	FDADKVVDKI	DVCPENAEVT	LTDFRAFQTV	VLDPEGDAQI
DPNWWVLNQG	REIVQTMNSD	PGLAVGYTAF	NGVDFEGTFH	VNTVTDDDYA	GFIFGYQDSS
SFYVVMWKQM	EQTYWQANPF	RAVAEPGIQL	KAVKSSTGPG	EQLRNALWHT	GDTESQVRL
WKDPRNVGWK	DKKSYRWF LQ	HRPQVGYIRV	RFYEGPELVA	DSNVVLDTTM	RGGR LGVFCF
SQENI IWANL	RYRCNDTIPE	DYETHQLRQA			

Purity:

> 90 % by SDS-PAGE

Endotoxin:

< 1.0 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/mL solution in 20 mM Tris buffer, 50 mM NaCl, pH 7.5

Reconstitution:

Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely.

Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

Quality Control:

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.
Endotoxin level determination.

Applications:

ELISA, Western blotting

Note:

This product is intended for research use only.