

Cyclophilin H Human *E. coli*

Product Data Sheet

Type: Recombinant

Source: *E. coli*

Species: Human

Other names: Peptidyl-prolyl cis-trans isomerase H, PPIase H, Rotamase H, Small nuclear ribonucleoprotein particle-specific cyclophilin H, CypH, U-snRNP-associated cyclophilin SnuCyp-20, USA-CYP

Cat. No.:

RD172366050 (0.05 mg)

RD172366100 (0.1 mg)

Description

Total 186 AA. MW: 20.3 kDa (calculated). UniProtKB acc.no. O43447 (Ala2-Met177). N-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Introduction to the Molecule

Cyclophilins promote protein folding. Cyclophilin H enables the cis-trans isomerization of proline imidic peptide bonds. It takes part in pre-mRNA splicing and assembly of the U4/U5/U6 tri-snRNP complex in the spliceosome.

Amino Acid Sequence

MKHHHHHHS AVANSSPVNP VVFFDVSI GG QEVRMKIEL FADVVPKTA E NFRQFCTGEF RKGVPPIGYK GSTFHRVIKD
FMIQGGDFVN GDGTGVASIY RGPFADENFK LRHSAPGLLS MANS GPSTNG CQFFITCSKC DWLDGKHVVVF GKIIDGLLVM
RKIENVPTGP NNKPKLPVVI SQCGEM

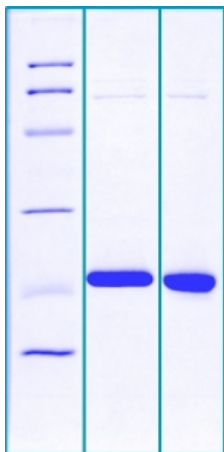
Source

E. coli

Purity

Purity as determined by densitometric image analysis: >95%

SDS-PAGE gel



14 % SDS-PAGE separation of Human Peptidyl-prolyl Cis-trans Isomerase H:

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

Endotoxin

< 1.0 EU/ug

Formulation

Filtered (0.4 µm) and lyophilized from 0.5 mg/mL solution in phosphate buffered saline pH 7,4.

Reconstitution

Add 200 µl of deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet

dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping

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

Storage, Stability/Shelf Life

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 Test

BCA to determine quantity of the protein.

SDS-PAGE to determine purity of the protein.

LAL TEST to determine endotoxin level.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.

HEADQUARTERS: BioVendor Laboratorní medicína, a.s.	Karasek 1767/1	621 00 Brno CZECH REPUBLIC	Phone: +420-549-124-185 Fax: +420-549-211-460	E-mail: info@biovendor.com sales@biovendor.com Web: www.biovendor.com
AUSTRIA: BioVendor GesmbH	Nußdorfer Straße 20/10	1090 Vienna AUSTRIA	Phone: +43-1-89090-25 Fax: +43-1-89090-2515	E-mail: infoAustria@biovendor.com
GERMANY, SWITZERLAND: BioVendor GmbH	Otto-Hahn-Straße 16	34123 Kassel GERMANY	Phone: +49-6221-433-9100 Fax: +49-6221-433-9111	E-mail: infoEU@biovendor.com
USA, CANADA AND MEXICO: BioVendor LLC	128 Bingham Rd. Suite 1300	Asheville, NC 28806 USA	Phone: +1-828-575-9250 +1-800-404-7807 Fax: +1-828-575-9251	E-mail: infoUSA@biovendor.com