

Datasheet for ABIN7564814
CHST15 Protein (AA 1-561) (His tag)



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Overview

Quantity:	1 mg
Target:	CHST15
Protein Characteristics:	AA 1-561
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHST15 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Chst15 Protein expressed in mammalian cells.
Sequence:	MRHCINCCVQ LFPEDTHKQQ VACQGGPHHS HQACPTCKGE NKILFRVDSK QMNLAVLEV RTEGNENWGG FLRFKGRKRC SLVFGLIIMT LVMASYILSG AHQELLISSP FHYGGFSPNP SVMDGENPSD VKEHHYQPSV NNISYVKDYP SIKLIIDIA ARIEFTTRQL PDLQDLKRQE LHMFSVIPSK FLPTSKSPCW YEEFSGRNTT DPYLTNSYVL YSKRFRSTFD ALRKVFWGHL SHVQGKHFRL RCLPHFYIIG QPKCGTTDLY DRLRLHPEVK FSAIKEPHWW TRKRFIVRL RDGLRDYRPV EDYLDLFDLA AHQIHQGLQA ASAEQPSKMN KIIIGEASAS TMWDNNAWTF FYDNSTDGEP PFLTQDFIHA FQPEAKLIVM LRDPVERLYS DYLYFASSNK SADDHEKVT EALQLFENCM LDYSLRACVY NNTLNNAMPV RLQVGLYAVY LLDWLTVFSK EQFLILILED HASNKYTMH KVFQFLNLGP LSEKQEALMT KSPASNTRRP EDRSLGPMWP ITQKILREFY GPFNTRLAQV LDDEAFWKT T Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Product Details

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: CHST15

Alternative Name: Chst15 ([CHST15 Products](#))

Background: Carbohydrate sulfotransferase 15 (EC 2.8.2.33) (B-cell RAG-associated gene protein) (N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase) (GalNAc4S-6ST),FUNCTION: Sulfotransferase that transfers sulfate from 3'-phosphoadenosine 5'-phosphosulfate (PAPS) to the C-6 hydroxyl group of the GalNAc 4-sulfate residue of chondroitin sulfate A and forms chondroitin sulfate E containing GlcA-GalNAc(4,6-SO(4)) repeating units. It also transfers sulfate to a unique non-reducing terminal sequence, GalNAc(4SO4)-GlcA(2SO4)-GalNAc(6SO4), to yield a highly sulfated structure similar to the structure found in thrombomodulin chondroitin sulfate. May also act as a B-cell receptor involved in BCR ligation-mediated early activation that mediate regulatory signals key to B-cell development and/or regulation of B-cell-specific RAG expression, however such results are unclear in vivo (By similarity). {ECO:0000250}.

Molecular Weight: 65.0 kDa

Target Details

UniProt: [Q91XQ5](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months