

Datasheet for ABIN7553289

CHST12 Protein (AA 1-414) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CHST12
Protein Characteristics:	AA 1-414
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHST12 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CHST12 Protein expressed in mammalian cells.
Sequence:	<p>MTKARLFRLW LVLGSMVFIL LIIVYWDSAG AAHFYLHTSF SRPHTGPPLP TPGPDRDREL TADSDVDEFL DKFLSAGVKQ SDLPRKETEQ PPAPGSMEES VRGYDWSRPD ARRSPDQGRQ QAERRSVLRG FCANSSLAFP TKERAFDDIP NSELSHLIVD DRHGAIYCYV PKVACTNWKR VMIVLSGSLI HRGAPYRDPL RIPREHVHNA SAHLTFNKFW RRYGKLSRHL MKVKLKKYTK FLFVRDPFVR LISAFRSKFE LENEFYRKF AVPMLRLYAN HTSLPASARE AFRAGLKVSF ANFIQYLLDP HTEKLAPFNE HWRQVYRLCH PCQIDYDFVG KLETLEDAA QLLQLLQVDR QLRFPPSYRN RTASSWEEDW FAKIPLAWRQ QLYKLYEADF VLFGYPKPEN LLRD 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.</p>
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.

Product Details

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:

CHST12

Alternative Name:

CHST12 ([CHST12 Products](#))

Background:

Carbohydrate sulfotransferase 12 (EC 2.8.2.5) (Chondroitin 4-O-sulfotransferase 2) (Chondroitin 4-sulfotransferase 2) (C4ST-2) (C4ST2) (Sulfotransferase Hlo),FUNCTION: Catalyzes the transfer of sulfate to position 4 of the N-acetylgalactosamine (GalNAc) residue of chondroitin and desulfated dermatan sulfate. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage and is distributed on the surfaces of many cells and extracellular matrices. Activity toward partially desulfated dermatan sulfate is however lower. Does not form 4, 6-di-O-sulfated GalNAc when chondroitin sulfate C is used as an acceptor.

Molecular Weight:

48.4 kDa

UniProt:

[Q9NRB3](#)

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
