

Datasheet for ABIN7553469
CHST5 Protein (AA 1-411) (His tag)



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Overview

Quantity:	1 mg
Target:	CHST5
Protein Characteristics:	AA 1-411
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHST5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CHST5 Protein expressed in mammalian cells.
Sequence:	<p>MGMRRARVPKV AHSTRPPAA RMWLPRFSSK TVTVLLLAQT TCLLLFIISR PGPSSPAGGE DRVHVLVLSS WRSQSSFLGQ LFSQHPDVFY LMEPAWHVWT TLSQGSAAATL HMAVRDLMRS IFLCDMDVFD AYMPQSRNLS AFFNWATSRA LCSPACSAF PRGTISKQDV CKTLCTRQPF SLAREACRSY SHVVLKEVRF FNLQVLYPLL SDPALNLRIV HLVRDPRAVL RSREAAGPIL ARDNGIVLGT NGKWVEADPH LRLIREVCRS HVRIAEAATL KPPPFLRGY RLVRFEDLAR EPLAEIRALY AFTGLTLPQ LEAWIHNITH GSGIGKPIEA FHTSSRNARN VSQAWRHALP FTKILRVQEV CAGALQLLGY RPVYSADQQR DLTLDLVLPR GPDHFSWASP D 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:

CHST5

Alternative Name:

CHST5 ([CHST5 Products](#))

Background:

Carbohydrate sulfotransferase 5 (EC 2.8.2.-) (Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 4-alpha) (GST4-alpha) (Intestinal N-acetylglucosamine-6-O-sulfotransferase) (I-GlcNAc6ST) (Intestinal GlcNAc-6-sulfotransferase) (hIGn6ST) (N-acetylglucosamine 6-O-sulfotransferase 3) (GlcNAc6ST-3) (Gn6st-3),FUNCTION: Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the transfer of sulfate to position 6 of non-reducing N-acetylglucosamine (GlcNAc) residues and O-linked sugars of mucin-type acceptors. Acts on the non-reducing terminal GlcNAc of short carbohydrate substrates. However, it does not transfer sulfate to longer carbohydrate substrates that have poly-N-acetylglucosamine structures. Has no activity toward keratan. Not involved in generating HEV-expressed ligands for SELL. Its substrate specificity may be influenced by its subcellular location. {ECO:0000269|PubMed:10491328, ECO:0000269|PubMed:11352640, ECO:0000269|PubMed:12218059, ECO:0000269|PubMed:12626414}.

Target Details

Molecular Weight:	46.2 kDa
UniProt:	Q9GZS9
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