

Datasheet for ABIN7564284  
**CHST2 Protein (AA 1-530) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CHST2
Protein Characteristics:	AA 1-530
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHST2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Chst2 Protein expressed in mammalian cells.
Sequence:	<p>MSRSSPRALP PGALPRPLPA APAAVQRALL PPWPRRAGR WPASPLGMKV FRRKALVLCA GYALLLVLTMLNLLDYKWHK EPLQQCNPDG PLGAAVGAAG AGWGRPGSPP AAPPRAHSRM DPRTPYRPPA AGVGAVPAAA AGSAGAAASL GNATRGTRGG GDKRQLVYVF TTWRSGSSFF GELFNQNPEV FFLYEPVWHV WQKLYPGDAV SLQGAARDML SALYRCDLSV FQLYSPAGSG GRNLTTLGIF GAATNKVVCS SPLCPAYRKE VVGLVDDRVC KKCPPQLAR FEEECRKYRT LVIKGVRVFD VAVLAPLLKD PALDLKVIHL VRDPRAVASS RIRSRHGLIR ESLQVRSRD PRAHRMPFLE AAGHKLGAKK EGMGGPADYH ALGAMEVICN SMAKTLQTAL QPPDWLQGHY LVVRYEDLVG DPVKTLRRVY DFGVLLVSPE MEQFALNMTS GSGSSSKPFV VSARNATQAA NAWRTALTFQ QIKQVEEFCY QPMAVLGYER VNSPEEVKDL SKTLLRKPRL <b>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.</b></p>

## Product Details

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**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.

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**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.

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

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**Grade:** custom-made

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## Target Details

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**Target:** CHST2

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**Alternative Name:** Chst2 ([CHST2 Products](#))

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**Background:** Carbohydrate sulfotransferase 2 (EC 2.8.2.-) (Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 2) (GST-2) (N-acetylglucosamine 6-O-sulfotransferase 1) (GlcNAc6ST-1) (Gn6st-1),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 within keratan-like structures on N-linked glycans and within mucin-associated glycans that can ultimately serve as SELL ligands. SELL ligands are present in high endothelial cells (HEVs) and play a central role in lymphocyte homing at sites of inflammation. Participates in biosynthesis of the SELL ligand sialyl 6-sulfo Lewis X and in lymphocyte homing to Peyer patches. Has no activity toward O-linked sugars. Its substrate specificity may be influenced by its subcellular location. Sulfates GlcNAc residues at terminal, non-reducing ends of oligosaccharide chains. {ECO:0000269|PubMed:15175329,

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## Target Details

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ECO:0000269|PubMed:16227985, ECO:0000269|PubMed:9712885}.

Molecular Weight: 57.8 kDa

UniProt: [Q80WV3](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

## Application Details

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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

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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