

Datasheet for ABIN7553468  
**CHST3 Protein (AA 1-479) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CHST3
Protein Characteristics:	AA 1-479
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHST3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant CHST3 Protein expressed in mammalian cells.
Sequence:	<p>MEKGLTLPQD CRDFVHSLKM RSKYALFLVF VVIVVFIEK ENKIISRVSD KLKQIPQALA DANSTDPALI LAENASLLSL SELDSAFSQL QSRLRNLSLQ LGVEPAMEAA GEEEEQRKE EPPRPVAVAG PRRHVLLMAT TRTGSSFVGE FFNQQGNIFY LFEPLWHIER TVSFEPGGAN AAGSALVYRD VLKQLFLCDL YVLEHFITPL PEDHLTQFMF RRGSSRSLCE DPVCTPFVKK VFEKYHCKNR RCGPLNVTLA AEACRRKEHM ALKAVRIRQL EFLQPLAEDP RDLDRVIQLV RDPRAVLASR MVAFAGKYKT WKKWLDDEGQ DGLREEEVQR LRGNCESIRL SAELGLRQPA WLRGRYMLVR YEDVARGPLQ KAREMYRFAG IPLTPQVEDW IQKNTQAAHD GSGIYSTQKN SSEQFEKWRF SMPFKLAQVV QAACGPAMRL FGYKLARDAAL TNRSVSLLE ERGTFWVT</p> <p><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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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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

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### Target:

CHST3

### Alternative Name:

CHST3 ([CHST3 Products](#))

### Background:

Carbohydrate sulfotransferase 3 (EC 2.8.2.17) (EC 2.8.2.21) (Chondroitin 6-O-sulfotransferase 1) (C6ST-1) (Chondroitin 6-sulfotransferase) (C6ST) (Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 0) (GST-0),FUNCTION: Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the transfer of sulfate to position 6 of the N-acetylgalactosamine (GalNAc) residue of chondroitin (PubMed:9714738, PubMed:9883891, PubMed:15215498). Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage and is distributed on the surfaces of many cells and extracellular matrices (PubMed:9714738). Catalyzes with a lower efficiency the sulfation of Gal residues of keratan sulfate, another glycosaminoglycan (PubMed:9714738). Can also catalyze the sulfation of the Gal residues in sialyl N-acetyllactosamine (sialyl LacNAc) oligosaccharides (By similarity). May play a role in the maintenance of naive T-lymphocytes in the spleen (By similarity). {ECO:0000250|UniProtKB:O88199, ECO:0000250|UniProtKB:Q92179,

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ECO:0000269|PubMed:15215498, ECO:0000269|PubMed:9714738,  
ECO:0000269|PubMed:9883891, ECO:0000303|PubMed:9714738}.

Molecular Weight: 54.7 kDa

UniProt: [Q7LGC8](#)

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