

Datasheet for ABIN7561726  
**CHST5 Protein (AA 1-395) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	CHST5
Protein Characteristics:	AA 1-395
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHST5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Chst5 Protein expressed in mammalien cells.
Sequence:	MRLPRFSSTV MLSLLMVQTG ILVFLVSRQV PSSPAGLGER VHVLVLSSWR SGSSFVQQLF SQHPDVFYLM EPAWHVWDTL SQGSAPALHM AVRDLIRSVF LCDMDVFDAY LPWRRNISDL FQWAVSRALC SPPVCEAFAR GNISSEEVCK PLCATRPFGL AQEACSSYSH VVLKEVRFFN LQVLYPLLSL PALNLRIVHL VRDPRAVLRS REQTAKALAR DNGIVLGTNG TWVEADPRLR VVNEVCRSHV RIAEAALHKP PPFLQDRYRL VRYEDLARDP LTVIRELYAF TGLGLTPQLQ TWIHNITHGS GPGARREAFK TTSRDALSVS QAWRHTLPFA KIRRVQELCG GALQLLGYRS VHSELEQRDL SLDLLLPRGM DSKWASSTE KPES <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>
Characteristics:	Key Benefits:

## Product Details

---

- 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, Western Blot
---------	---

---

Grade:	custom-made
--------	-------------

---

## Target Details

---

Target:	CHST5
---------	-------

---

Alternative Name:	Chst5 ( <a href="#">CHST5 Products</a> )
-------------------	--

---

Background:	<p>Carbohydrate sulfotransferase 5 (EC 2.8.2.-) (Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 4) (GST4) (Intestinal N-acetylglucosamine-6-O-sulfotransferase) (I-GlcNAc6ST) (Intestinal GlcNAc-6-sulfotransferase) (mIGn6ST) (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 of keratan. Mediates sulfation of keratan in cornea. Keratan sulfate plays a central role in maintaining corneal transparency. Acts on the non-reducing terminal GlcNAc of short and long carbohydrate substrates that have poly-N-acetylglucosamine structures. May also have activity toward O-linked sugars of mucin-type acceptors. {ECO:0000269 PubMed:12218059}.</p>
-------------	--

---

Molecular Weight:	44.5 kDa
-------------------	----------

---

UniProt:	<a href="#">Q9QUP4</a>
----------	------------------------

---

Pathways:	<a href="#">Glycosaminoglycan Metabolic Process</a>
-----------	---

---

## Application Details

---

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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

---