

Datasheet for ABIN7564266  
**CHST14 Protein (AA 1-376) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CHST14
Protein Characteristics:	AA 1-376
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHST14 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Chst14 Protein expressed in mammalien cells.
Sequence:	MFPRPLTPLA APKSAETLGR TPRRAPLGRA RAGLGGPPLL LPSMLMFAVI VASSGLLLMI ERGILSEMKP LPLHPPSHKG AAWSGTDPKP RGLSLDAGDS DLQVREDIRN RTLRAVCGQP GMPRPWDLP VGQRRTLRH ILVSDRYRFL YCYVPKVACS NWKRVLKVLA GILNNVDVRL KMDHRSDLVF LADLRPEEIR YRLQHYFKFL FVRDPLERLL SAYRNKFGEI REYQQRYGAE IVRRYRAGAG PSPAGDDVTF PEFLRYLVDE DPEHMNEHWM PVYHLCQPCA VHYDFVGSYE RLEADANQVL EWVRAPPHVR FPARQAWYRP ASPESLHYHL CNVPRALLQD VLPKYILDFS LFAYPLPNVT KEACHQ <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

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- 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, Western Blot

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Grade: custom-made

## Target Details

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Target: CHST14

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Alternative Name: Chst14 ([CHST14 Products](#))

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Background: Carbohydrate sulfotransferase 14 (EC 2.8.2.35) (Dermatan 4-sulfotransferase 1) (D4ST-1),FUNCTION: Catalyzes the transfer of sulfate to position 4 of the N-acetylgalactosamine (GalNAc) residue of dermatan sulfate. Plays a pivotal role in the formation of 4-O-sulfated IdoA blocks in dermatan sulfate. Transfers sulfate to the C-4 hydroxyl of beta1,4-linked GalNAc that is substituted with an alpha-linked iduronic acid (IdoUA) at the C-3 hydroxyl. Transfers sulfate more efficiently to GalNAc residues in -IdoUA-GalNAc-IdoUA- than in -GlcUA-GalNAc-GlcUA- sequences. Has preference for partially desulfated dermatan sulfate. Addition of sulfate to GalNAc may occur immediately after epimerization of GlcUA to IdoUA. Appears to have an important role in the formation of the cerebellar neural network during postnatal brain development. {ECO:0000269|PubMed:16702220}.

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Molecular Weight: 43.1 kDa

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UniProt: [Q80V53](#)

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Pathways: [Glycosaminoglycan Metabolic Process](#)

## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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