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Datasheet for ABIN7553479

CHST7 Protein (AA 1-486) (His tag)

Overview

Quantity:	1 mg
Target:	CHST7
Protein Characteristics:	AA 1-486
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHST7 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat CHST7 Protein expressed in mammalian cells.
Sequence:	MKGRRRRRRE YCKFALLLVL YTLVLLLVPS VLDGGRDGDK GAEHCPGLQR SLGVWSLEAA AAGEREQGAE ARAAEEGGAN QSPRFPSNLS GAVGEAVSRE KQHIVHATW RTGSSFLGEL FNQHPDVLYL YEPMWHLWQA LYPGDAESLQ GALRDMLRSL FRCDFSVLRL YAPPGDPAAR APDTANLTTA ALFRWRNKNV ICSPPPCPGA PRARAEVGLV EDTACERSCP PVAIRALEAE CRKYPVVVIK DVRLLDLGV LPLL RDPGLN LKVVQLFRDP RAVHNSRLKS RQGLRESIQ VLRTRQRGDR FHRVLLAHGV GARPGGQSRA LPAAPRADFF LTGALEVICE AWLRDLLFAR GAPAWLRRRY LRLRYEDLVR QPRAQLRRL RFSGLRALAA LDAFALNMTR GAAYGADRPF HLSARDAREA VHAWRERLSR EQVRQVEAAC APAMRLLAYP RSGEEGDAEQ PREGETPLEM DADGAT 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.

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, Western Blot

Grade:

custom-made

Target Details

Target:

CHST7

Alternative Name:

CHST7 ([CHST7 Products](#))

Background:

Carbohydrate sulfotransferase 7 (EC 2.8.2.-) (EC 2.8.2.17) (Chondroitin 6-sulfotransferase 2) (C6ST-2) (Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 5) (GST-5) (N-acetylglucosamine 6-O-sulfotransferase 4) (GlcNAc6ST-4) (Gn6st-4),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. Preferentially acts on mannose-linked GlcNAc. Also able to catalyze the transfer of sulfate to position 6 of the N-acetylgalactosamine (GalNAc) residue of chondroitin. Also acts on core 2 mucin-type oligosaccharide and N-acetyllactosamine oligomer with a lower efficiency. Has weak or no activity toward keratan sulfate and oligosaccharides containing the Galbeta1-4GlcNAc. Catalyzes 6-O-sulfation of beta-benzyl GlcNAc but not alpha- or beta-benzyl GalNAc. {ECO:0000269|PubMed:10781596, ECO:0000269|PubMed:10913333, ECO:0000269|PubMed:10956661}.

Molecular Weight:

54.3 kDa

Target Details

UniProt:	Q9NS84
Pathways:	Glycosaminoglycan Metabolic Process

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