

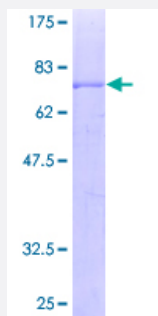
Full-Length

CHST12 (Human) Recombinant Protein (P01)

Catalog # H00055501-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CHST12 full-length ORF (AAH02918, 1 a.a. - 414 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTKARLFRLWLVGSLVFMILLIIVWDSAGAAHFYLTSTFSRPHTGPPLPTPGPDRDRELTA DSDV
DEFLDKFLSAGVKQSDLPRKETEQQPAPGSMEE SVRGYDWSPRDARRSPDQGRQQAERRSVL
RGFCANSSLAFTKERAFDDIPNSEL SHLVDDRHGAIYCVPKVACTNWKRVMMLSGSLLHRGA
PYRDPLRIPREHVHNASAHLT FNKFWRRYGKLSRHLMKVKLKKYTKFLFVRDPFVRLISAFRSKFE
LENEEFYRKFAVPMLRLYANHTSLPASAREAFRAGLKVSFANFIQYLLDPHTEKLAPFNEHWRQV
YRLCHPCQIDYDFVGKLETLD EDA AQLLQLLQVDRQLRFPPSYRNRTASSWEEDWFAKIPLAWR
QQLYKLYEADFVLFGYPKPENLLRD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

71.28

Interspecies Antigen Sequence

Mouse (83); Rat (82)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CHST12

Entrez GeneID	55501
GeneBank Accession#	BC002918
Protein Accession#	AAH02918
Gene Name	CHST12
Gene Alias	C4S-2, C4ST-2, C4ST2
Gene Description	carbohydrate (chondroitin 4) sulfotransferase 12
Omim ID	610129
Gene Ontology	Hyperlink
Gene Summary	Chondroitin 4-sulfotransferases, such as CHST12, add sulfate to position 4 of N-acetylgalactosamine residues in chondroitin (Hiraoka et al., 2000 [PubMed 10781601]).[supplied by OMIM]
Other Designations	OTTHUMP00000025467 chondroitin 4-O-sulfotransferase 2

Pathway

- [Chondroitin sulfate biosynthesis](#)

- [Sulfur metabolism](#)