

## Product datasheet for **TP302514M**

### CHST12 (NM\_018641) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human carbohydrate (chondroitin 4) sulfotransferase 12 (CHST12), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202514 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MTKARLFRLWLVLGSMILLIIVYWDSAGAAHFYLHTSFSRPHTGPPLPTPGPDRDRELTADSDVDFEFL  
DKFLSAGVKQSDLPRKETEQQPAPGSMEEVSRGYDWSRPDARRSPDQGRQQAERRSVLRGFCANSSSLAFP  
TKERAFDDIPNSELSHLIVDDRHGAIYCYVPKVACTNWKRMIVLSGSLLRGAPYRDPLRIPREHVHNA  
SAHLTFNKFWRRYGKLSRHLMKVKLKKYTKFLFVRDPFVRLISAFRSKFELENEEFYRKFAVPMRLRYAN  
HTSLPASAREAFRAGLKVSFANFIQYLLDPHTEKLAPFNEHWRQVYRLCHPCQIDYDFVGKLETLDDEAA  
QLLQLLQVDRQLRFPSPYRNRTASSWEEDWFAKIPLAWRQQLYKLYEADFLVFGYKPKPENLLRD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	48.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_061111</a></u>



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Locus ID:	55501
UniProt ID:	<a href="#">Q9NRB3</a> , <a href="#">A0A024R860</a>
RefSeq Size:	2159
Cytogenetics:	7p22.3
RefSeq ORF:	1242
Synonyms:	C4S-2; C4ST-2; C4ST2
Summary:	<p>The protein encoded by this gene belongs to the sulfotransferase 2 family. It is localized to the golgi membrane, and catalyzes the transfer of sulfate to position 4 of the N-acetylgalactosamine (GalNAc) residue of chondroitin and desulfated dermatan sulfate. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage, and is distributed on the surfaces of many cells and extracellular matrices. Alternatively spliced transcript variants differing only in their 5' UTRs have been found for this gene. [provided by RefSeq, Aug 2011]</p>
Protein Families:	Transmembrane
Protein Pathways:	Chondroitin sulfate biosynthesis, Sulfur metabolism

### Product images:



Coomassie blue staining of purified CHST12 protein (Cat# [TP302514]). The protein was produced from HEK293T cells transfected with CHST12 cDNA clone (Cat# [RC202514]) using MegaTran 2.0 (Cat# [TT210002]).