

## Product datasheet for TP302514M

### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

### 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** >RC202514 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MTKARLFRLWLVLGSVFMILLIIVYWDSAGAAHFYLHTSFSRPHTGPPLPTPGPDRDRELTADSDVDEFL DKFLSAGVKQSDLPRKETEQPPAPGSMEESVRGYDWSPRDARRSPDQGRQQAERRSVLRGFCANSSLAFP TKERAFDDIPNSELSHLIVDDRHGAIYCYVPKVACTNWKRVMIVLSGSLLHRGAPYRDPLRIPREHVHNA SAHLTFNKFWRRYGKLSRHLMKVKLKKYTKFLFVRDPFVRLISAFRSKFELENEEFYRKFAVPMLRLYAN HTSLPASAREAFRAGLKVSFANFIQYLLDPHTEKLAPFNEHWRQVYRLCHPCQIDYDFVGKLETLDEDAA QLLQLLQVDRQLRFPPSYRNRTASSWEEDWFAKIPLAWRQQLYKLYEADFVLFGYPKPENLLRD

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:** NP 061111



#### CHST12 (NM\_018641) Human Recombinant Protein - TP302514M

Locus ID: 55501

UniProt ID: Q9NRB3, A0A024R860

RefSeq Size: 2159 Cytogenetics: 7p22.3 RefSeq ORF: 1242

Synonyms: C4S-2; C4ST-2; C4ST2

**Summary:** 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-

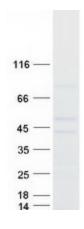
acetylgalactosamine (GalNAc) residue of chondroitin and desulfated dermatan sulfate. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage, and is distributed on the surfaces of many cells and extracellular matrices. Alternatively spliced transcript variants differing only in their 5' UTRs have been found for this gene. [provided by

RefSeq, Aug 2011]

**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]).