

Product datasheet for PH302514

OriGene Technologies, Inc.

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CHST12 (NM 018641) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: CHST12 MS Standard C13 and N15-labeled recombinant protein (NP 061111)

Species: Human **HEK293 Expression Host: Expression cDNA Clone**

or AA Sequence:

RC202514

Predicted MW: 48.4 kDa

>RC202514 protein sequence **Protein Sequence:**

Red=Cloning site Green=Tags(s)

MTKARLFRLWLVLGSVFMILLIIVYWDSAGAAHFYLHTSFSRPHTGPPLPTPGPDRDRELTADSDVDEFL DKFLSAGVKQSDLPRKETEQPPAPGSMEESVRGYDWSPRDARRSPDQGRQQAERRSVLRGFCANSSLAFP TKERAFDDIPNSELSHLIVDDRHGAIYCYVPKVACTNWKRVMIVLSGSLLHRGAPYRDPLRIPREHVHNA SAHLTFNKFWRRYGKLSRHLMKVKLKKYTKFLFVRDPFVRLISAFRSKFELENEEFYRKFAVPMLRLYAN HTSLPASAREAFRAGLKVSFANFIQYLLDPHTEKLAPFNEHWRQVYRLCHPCQIDYDFVGKLETLDEDAA QLLQLLQVDRQLRFPPSYRNRTASSWEEDWFAKIPLAWRQQLYKLYEADFVLFGYPKPENLLRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration: >0.05 µg/µL as determined by microplate BCA method

Labeling Method: Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Storage: Store at -80°C. Avoid repeated freeze-thaw cycles.

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 061111

RefSeg Size: 2159 RefSeq ORF: 1242

C4S-2; C4ST-2; C4ST2 Synonyms:

Locus ID: 55501





CHST12 (NM_018641) Human Mass Spec Standard - PH302514

UniProt ID: Q9NRB3, A0A024R860

Cytogenetics: 7p22.3

Summary: The protein encoded by this gene belongs to the sulfotransferase 2 family. It is localized to

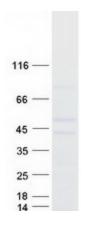
> the golgi membrane, and catalyzes the transfer of sulfate to position 4 of the Nacetylgalactosamine (GalNAc) residue of chondroitin and desulfated dermatan sulfate. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage, and is distributed on the surfaces of many cells and 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]).