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Product datasheet for TP762100

CHST11 (NM_018413) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human carbohydrate (chondroitin 4) sulfotransferase 11 (CHST11), transcript variant 1,Val40-Leu330, with N-terminal His tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Val40-Leu330) of CHST11
Tag:	N-His
Predicted MW:	34.3 kDa
Concentration:	>0.05 μg/μL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
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_060883
Locus ID:	50515
UniProt ID:	Q9NPF2
RefSeq Size:	5768
Cytogenetics:	12q23.3
RefSeq ORF:	1056
Synonyms:	C4ST; C4ST-1; C4ST1; HSA269537; OCBMD

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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. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage, and is distributed on the surfaces of many cells and extracellular matrices. A chromosomal translocation involving this gene and IgH, t(12;14)(q23;q32), has been reported in a patient with B-cell chronic lymphocytic leukemia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

Protein Families: Transmembrane

Protein Pathways: Chondroitin sulfate biosynthesis, Sulfur metabolism

Product images: