

Recombinant Human CHST15, GST-tagged

Cat. No. CHST15-11228H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHST15 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	103-451a.a.
Description	Chondroitin sulfate (CS) is a glycosaminoglycan which is an important structural component of the extracellular matrix and which links to proteins to form proteoglycans. Chondroitin sulfate E (CS-E) is an isomer of chondroitin sulfate in which the C-4 and C-6 hydroxyl groups are sulfated. This gene encodes a type II transmembrane glycoprotein that acts as a sulfotransferase to transfer sulfate to the C-6 hydroxal group of chondroitin sulfate. This gene has also been identified as being co-expressed with RAG1 in B-cells and as potentially acting as a B-cell surface signaling receptor. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

Gene Name	CHST15 carbohydrate (N-acetylgalactosamine 4-sulfate 6-O) sulfotransferase 15 [Homo sapiens]
Official Symbol	CHST15
Synonyms	CHST15; carbohydrate (N-acetylgalactosamine 4-sulfate 6-O) sulfotransferase 15; carbohydrate sulfotransferase 15; B cell RAG associated protein; BRAG; GALNAC4S 6ST; KIAA0598; N acetylgalactosamine 4 sulfate 6 O sulfotransferase; hBRAG; B-cell RAG-associated gene protein; B cell RAG associated protein (GALNAC4S-6ST); N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase; GALNAC4S-6ST; RP11-47G11.1; MGC34346; DKFZp781H1369;
Gene ID	51363
mRNA Refseq	NM_014863
Protein Refseq	NP_055678
MIM	608277
UniProt ID	Q7LFX5
Chromosome Location	10q26
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Glycosaminoglycan biosynthesis - chondroitin sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - chondroitin sulfate, conserved biosystem; chondroitin sulfate biosynthesis, organism-specific biosystem; chondroitin sulfate biosynthesis,

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conserved biosystem; chondroitin sulfate biosynthesis (late stages), organism-specific biosystem; chondroitin sulfate biosynthesis (late stages), conserved biosystem;

Function

3-phosphoadenosine 5-phosphosulfate binding; N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase activity; transferase activity;

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