

Recombinant Human CHST3, GST-tagged

Cat. No. CHST3-11229H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHST3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	46-479a.a.
Description	This gene encodes an enzyme which catalyzes the sulfation of chondroitin, a proteoglycan found in the extracellular matrix and most cells which is involved in cell migration and differentiation. Mutations in this gene are associated with spondylepiphyseal dysplasia and humerospinal dysostosis.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	CHST3 carbohydrate (chondroitin 6) sulfotransferase 3 [Homo sapiens]
Official Symbol	CHST3

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Synonyms	CHST3; carbohydrate (chondroitin 6) sulfotransferase 3; carbohydrate sulfotransferase 3; C6ST; C6ST1; GST-0; C6ST-1; chondroitin 6-O-sulfotransferase 1; galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 0; HSD;
Gene ID	9469
mRNA Refseq	NM_004273
Protein Refseq	NP_004264
MIM	603799
UniProt ID	Q7LGC8
Chromosome Location	10q22.1
Pathway	Glycosaminoglycan biosynthesis - chondroitin sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - chondroitin sulfate, conserved biosystem; chondroitin sulfate biosynthesis, organism-specific biosystem; chondroitin sulfate biosynthesis, conserved biosystem; chondroitin sulfate biosynthesis (late stages), organism-specific biosystem; chondroitin sulfate biosynthesis (late stages), conserved biosystem;
Function	chondroitin 6-sulfotransferase activity; proteoglycan sulfotransferase activity; sulfotransferase activity; transferase activity;