

Recombinant Human CHST1, GST-tagged

Cat. No. CHST1-11222H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHST1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-350a.a.
Description	This locus encodes a member of the keratin sulfotransferase family of proteins. The encoded enzyme catalyzes the sulfation of the proteoglycan keratin.
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.

GENE INFORMATION

Gene Name	CHST1 carbohydrate (keratan sulfate Gal-6) sulfotransferase 1 [Homo sapiens]
Official Symbol	CHST1
Synonyms	CHST1; carbohydrate (keratan sulfate Gal-6) sulfotransferase 1; carbohydrate

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sulfotransferase 1; C6ST; KSGal6ST; carbohydrate (chondroitin 6/keratan)
sulfotransferase 1; galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-
sulfotransferase 1; KSST; GST-1; KS6ST;

Gene ID 8534

mRNA Refseq NM_003654

Protein Refseq NP_003645

MIM 603797

UniProt ID O43916

**Chromosome
Location** 11p11.2

Pathway Glycosaminoglycan biosynthesis - keratan sulfate, organism-specific biosystem;
Glycosaminoglycan biosynthesis - keratan sulfate, conserved biosystem;

Function keratan sulfotransferase activity; sulfotransferase activity; transferase activity;

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