

Active Recombinant Human CHST1 Protein, His-tagged

Cat. No. CHST1-539H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHST1 (Accession # NP_003645) Arg24-Ser411, fused with an N-terminal 6-His tag, was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
ProteinLength	Arg24-Ser411
Predicted N Terminal	His
Form	Supplied as a 0.2 µ filtered solution in Tris-HCl and NaCl.
Bio-activity	Measured by its ability to transfer sulfate from PAPS to alpha -Lactose. The specific activity is >500 pmol/min/µg, as measured under the described conditions.
Molecular Mass	Recombinant Human CHST1, His-tagged has a calculated MW of 45 kDa. In SDS-PAGE migrates as 58 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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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 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

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