

Recombinant Human CHST10 Protein, His-tagged

Cat. No. CHST10-968H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CHST10 (28-356aa) fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	28-356
Description	This protein encoded by this gene transfers sulfate to the C-3 hydroxyl of terminal glucuronic acid of protein- and lipid-linked oligosaccharides. This protein was first identified as a sulfotransferase that acts on the human natural killer-1 (HNK-1) glycan; HNK-1 is a carbohydrate involved in neurodevelopment and synaptic plasticity.
Molecular Mass	41.2 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMTFKDPDVYSAKQEFLFLTTMPEVRKLPEEKHIPEE LKPTGKELPDSQLVQPLVYMERLELIRNVCRDDALKNLSHTPVSKFVLDRIFVCDKHK ILFCQTPKVGNTQWKKVLIVLNGAFSSIEEIPENVVHDHEKNGLPRLSSFSDAEIQKRL KTYFKFFIVRDPFERLISAFKDKFVHNPRFEPWYRHEIAPGIIRKYRRNRTETRGIQFE DFVRYLGDPNHRWLDLQFGDHHHWVTYVELCAPCEIMYSVIGHHETLEDDAPYILKE AGIDHLVSYPTIPPGITVYNRTKVEHYFLGISKRDIRRLYARFEGDFKLFQKPDFFLL N
Purity	>85% by SDS - PAGE

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Stability	Shelf life: one year from despatch.
Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.
Storage Buffer	20mM Tris-HCl (pH8.0) containing 10% glycerol.

GENE INFORMATION

Gene Name	CHST10 carbohydrate sulfotransferase 10 [Homo sapiens (human)]
Official Symbol	CHST10
Synonyms	CHST10; carbohydrate sulfotransferase 10; HNK1ST; HNK-1ST; carbohydrate sulfotransferase 10; HNK-1 sulfotransferase; huHNK-1ST; EC 2.8.2.-
Gene ID	9486
mRNA Refseq	NM_004854
Protein Refseq	NP_004845
MIM	606376
UniProt ID	O43529

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