
Product Data Sheet

Product Name: CHST10 Human
 Cat. No.: GP21485
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Carbohydrate Sulfotransferase 10; HNK1ST; HNK-1 Sulfotransferase; HuHNK-1ST; HNK-1ST; EC 2.8.2.-; EC 2.8.2; CHST10.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MTFKDPDVYS AKQEFLFLT MPEVRKLPEE KHIPEELKPT GKELPDSQLV QPLVYMERLE LIRNVCRRDDA LKNLSHTPV KFLVDRIFVC DKHKILFCQT PKVGNTQWKK VLIVLNGAFS SIEEIPENVV HDHEKNGLPR LSSFSDAEIQ KRLKTYFKFF IVRDPFERLI SAFKDKFVHN PRFEPWYRHE IAPGIIRKYR RNRTETRGIQ FEDFVRYLGD PNRHWLDLQF GDHIIHWVTY VELCAPCEIM YSVIGHHETL EDDAPYILKE AGIDHLVSYP TIPPGITVYN RTKVEHYFLG ISKRDIRRLY ARFEGDFKLF GYQKPDFLLN.		
Formulation	CHST10 protein solution (0.5mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.		

Introduction

Carbohydrate Sulfotransferase 10, also known as CHST10 is a member of the sulfotransferase 2 family. CHST10 was first recognized as a sulfotransferase which acts on the human natural killer-1 (HNK-1) glycan. Furthermore, CHST10 is a carbohydrate involved in neurodevelopment as well as synaptic plasticity.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CHST10 Human Recombinant produced in E. Coli is a single, non-glycosylated polypeptide chain containing 350 amino acids (28-356 a.a) and having a molecular mass

Caution: Product has not been fully validated for medical applications. For research use only.

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of 41.2kDa. CHST10 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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