

32-6700: CHST10 Human

Alternative Name : Carbohydrate Sulfotransferase 10, HNK1ST, HNK-1 Sulfotransferase, HuHNK-1ST, HNK-1ST, EC 2.8.2.-, EC 2.8.2, CHST10.

Description

Source: Escherichia Coli.

Sterile Filtered colorless solution.

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.

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

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 85.0% as determined by SDS-PAGE.

Content : CHST10 protein solution (0.5mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.

Storage condition : 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.

Amino Acid : MGSSHHHHHH SSGLVPRGSH MTFKDPDVYS AKQEFLFLTT MPEVRKLPEE KHIPEELKPT
GKELPDSQLV QPLVYMERLE LIRNVCRRDA LKNLSHTPVS KFVLDRI FVC DKHKILFCQT
PKVGNTQWKK VLIVLNGAFS SIEEIPENVV HDHEKNGLPR LSSFSDAEIQ KRLKTYFKFF
IVRDPFERLI SAFKDKFVHN PRFEPWYRHE IAPGIIRKYR RNRTETRGIQ FEDFVRYLGD
PNHRWLDLQF GDHIIHWVTY VELCAPCEIM YSVIGHHETL EDDAPYILKE AGIDHLVSYP
TIPPGITVYN RTKVEHYFLG ISKRDIRRLY ARFEGDFKLF GYQKPDFLLN.