

Recombinant human CHST10 protein

Catalog Number: ATGP3036

PRODUCT INFORMATION

Expression system

E.coli

Domain

28-356aa

UniProt No.

O43529

NCBI Accession No.

NP_004845.1

Alternative Names

Carbohydrate sulfotransferase 10, Carbohydrate sulfotransferase 10, HNK-1ST, HNK1ST

PRODUCT SPECIFICATION

Molecular Weight

41.2 kDa (350aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CHST10 also known as carbohydrate sulfotransferase 10. This protein was first identified as a sulfotransferase that acts on the human natural killer-1 (HNK-1) glycan. CHST10 is a carbohydrate involved in neurodevelopment and synaptic plasticity. Recombinant human CHST10 fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH M>TFKDPDVYS AKQEFLFLT MPEVRKLPEE KHIPEELKPT GKELPDSQLV QPLVYMERLE LIRNVCRDDA LKNLSHTPVV KFLVDRIQVC DKHKILFCQT PKVGNTQWKK VLIVLNGAFS SIEEIPENVV HDHEKNGLPR

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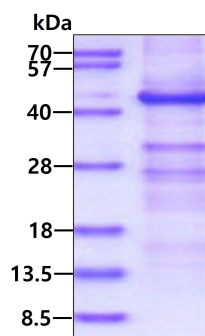
LSSFSDAEIQ KRLKTYFKFF IVRDPFERLI SAFKDKFVHN PRFEPWYRHE IAPGIIRKYR RNRRTETRG IQ FEDFVRYLGD
PNHRWLDLQF GDHIIHWVTY VELCAPCEIM YSVIGHHETL EDDAPYILKE AGIDHLVSYP TIPPGITVYN RTKVEHYFLG
ISKRDIRRLY ARFEGDFKLF GYQKPDFLLN

General References

Nakagawa N.,et al. (2013) Biol. Chem. 287 (36), 30823-30832

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.