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Datasheet for ABIN5853358

ST3GAL5 Protein (AA 83-418) (His tag)

1 Image

Overview

Quantity:	100 µg
Target:	ST3GAL5
Protein Characteristics:	AA 83-418
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ST3GAL5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGSLKLNYYT EECDMKKMHY VDPDHVKRAQ KYAQQVLQKE CRPKFAKTSM ALLFEHRYSV DLLPFVQKAP KDSEAESKYD PPFGRKRFSS KVQTLLELLP EHDLPEHLKA KTCRRCVWIG SGGILHGLEL GHTLNQFDVW IRLNSAPVEG YSEHVGNKTT IRMTYPEGAP LSDLEYYSND LFAVLFKSV DFNWLQAMVK KETLPFWVRL FFWKQVAEKI PLQPKHFRIL NPVIKETAF DILQYSE PQS RFWGRDKNVP TIGVIAVLA THLCDEVSLA GFGYDLNQPR TPLHYFDSQC MAAMNFQTMH NVTETKFL KLVKEGVVKD LSGGIDREF
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Purity:	> 85 % by SDS - PAGE
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Target Details

Target:	ST3GAL5
Alternative Name:	ST3GAL5 (ST3GAL5 Products)

Target Details

Background: Ganglioside GM3 is known to participate in the induction of cell differentiation, modulation of cell proliferation, maintenance of fibroblast morphology, signal transduction, and integrin-mediated cell adhesion. The protein encoded by this gene is a type II membrane protein which catalyzes the formation of GM3 using lactosylceramide as the substrate. The encoded protein is a member of glycosyltransferase family 29 and may be localized to the Golgi apparatus. Mutation in this gene has been associated with Amish infantile epilepsy syndrome. Transcript variants encoding different isoforms have been found for this gene. Recombinant human ST3GAL5 protein, fused to His-tag at N-terminus, was expressed in E.coli .

Molecular Weight: 41.0 kDa (359aa)

NCBI Accession: [NP_003887](#)

UniProt: [Q9UNP4](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Denatured

Restrictions: For Research Use only

Handling

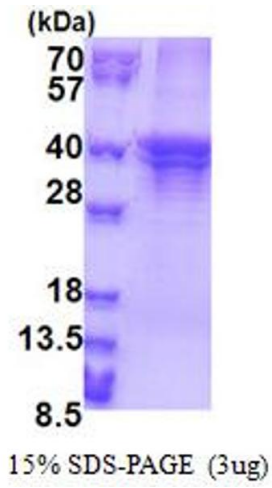
Format: Liquid

Concentration: 1 mg/mL

Buffer: Liquid. 20 mM Tris-HCl buffer (pH 8.0) containing 10 % glycerol 0.4M urea

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.