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32-2820: ST3GAL5 Recombinant Protein

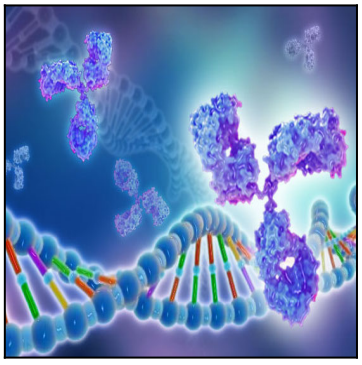
Alternative Name :	ST3 Beta-Galactoside Alpha-2,3-Sialyltransferase 5,SIAT9, Sialyltransferase 9 (CMP-NeuAc:Lactosylceramide Alpha-2,3-Sialyltransferase; GM3 Synthase),Ganglioside GM3 Synthase,ST3GalV,CMP-NeuAc:Lactosylceramide Alpha-2,3-Sialyltransferase,ST3Gal V

Description

Source : Escherichia Coli. ST3GAL5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 359 amino acids (83-418a.a) and having a molecular mass of 41kDa. ST3GAL5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. ST3 Beta-Galactoside Alpha-2,3-Sialyltransferase 5, also know as ST3GAL5 belongs to the glycosyltransferase family 29 and localized to the Golgi apparatus. ST3GAL5 is known to play a part in the induction of cell differentiation, modulation of cell proliferation, maintenance of fibroblast morphology, signal transduction, and integrin-mediated cell adhesion. ST3GAL5 is a type II membrane protein which catalyzes the formation of GM3 with lactosylceramide as the substrate. Mutation in this ST3GAL5 has been connected with Amish infantile epilepsy syndrome. Transcript variants encoding various isoforms have been found for this gene.

Product Info

Amount :	20 µg
Purification :	"Greater than 85.0% as determined by SDS-PAGE."
Content :	ST3GAL5 protein solution (1mg/ml) containing In 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.
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).Please avoid freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSLKLNYTT EECDMKKMHY VDPDHVKRAQ KYAQQVLQKE CRPKFAKTSMALLFEHRYSV DLLPFVQKAP KDSEAESKYD PPFGFRKFSS KVQTLLELLP EHDLPEHLKA KTCRRCVVIGSGGILHGLEL GHTLNQFDVV IRLNSAPVEG YSEHVGNKTT IRMTYPEGAP LSDLEYYSND LFVAVLFKSV DFNWLQAMVK KETLPFWVRLFFWKQVAEKI PLQPKHFRIL NPVIIKETAF DILQYSEPQS RFWGRDKNVP TIGVIAVVLA THLCDEVSLAGFGYDLNQPR TPLHYFDSQC MAAMNFQTMH NVTTETKFLL KLVKEGVVKD LSGGIDREF



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