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Product datasheet for AR51238PU-N

ST3GAL5 (83-418, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	ST3GAL5 (83-418, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSLKLNYTT EECDMKKMHY VDPDHVKRAQ KYAQQVLQKE CRPKFAKTSM ALLFEHRYSV DLLPFVQKAP KDSEAESKYD PPFGFRKFSS KVQTLLELLP EHDLPEHLKA KTCRRCVVIG SGGILHGLEL GHTLNQFDVV IRLNSAPVEG YSEHVGNKTT IRMTYPEGAP LSDLEYYSND LFVAVLFKSV DFNWLQAMVK KETLPFWVRL FFWKQVAEKI PLQPKHFRIL NPVIIKETAF DILQYSEPQS RFWGRDKNVP TIGVIAVVLA THLCDEVSLA GFGYDLNQPR TPLHYFDSQC MAAMNFQTMH NVTTETKFLL KLVKEGVVKD LSGGIDREF
Tag:	His-tag
Predicted MW:	41.0 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M Urea
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ST3GAL5 protein, fused to His-tag at N-terminus, was expressed in E.coli .
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001035902
Locus ID:	8869
UniProt ID:	Q9UNP4
Cytogenetics:	2p11.2
Synonyms:	SATI; SIAT9; SIATGM3S; SPDRS; ST3Gal V; ST3GalV

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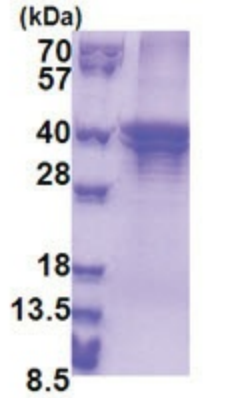
Summary: Ganglioside GM3 is known to participate in the induction of cell differentiation, modulation of cell proliferation, maintenance of fibroblast morphology, signal transduction, and integrin-mediated cell adhesion. The protein encoded by this gene is a type II membrane protein which catalyzes the 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. [provided by RefSeq, Jul 2008]

Protein Families: Transmembrane

Protein Pathways: Glycosphingolipid biosynthesis - ganglio series, Metabolic pathways

Product images:



15% SDS-PAGE (3ug)