

Recombinant Human ST3GAL3 Protein (AA 60-375), N-6×His/GFP tagged

Cat. No. ST3GAL3-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ST3GAL3 Protein (AA 60-375) with N-6×His/GFP tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	AA 60-375
Description	The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The encoded protein is normally found in the Golgi apparatus but can be proteolytically processed to a soluble form. This protein is a member of glycosyltransferase family 29. Mutations in this gene have been associated with a form of autosomal recessive nonsyndromic cognitive disability as well as infantile epileptic encephalopathy. Multiple transcript variants encoding several different isoforms have been found for this gene.
Molecular Mass	~60-70 kDa
AA Sequence	ELATKYANFSEGACKPGYASALMTAIFPRFSKPAPMFLDDSFRRKWARIREFVPPFGI KGQDNLIKAILSVTKEYRLTPALDSLRCRRCIIVGNNGGVLANKSLGSRIDDYDIVVRLN SAPVKGFEEKDVGSKTTLRITYPEGAMQRPEQYERDSLFLAGFKWQDFKWLKYIVY KERVASDGFWKSVATRVPKPEPEIRILNPYFIQEAAFTLIGLPFNGLMGRGNIPTL

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	GSVAVTMALHGCDEVAVAGFGYDMSTPNAPLHYYETVRMAAIKESWTHNIQREKEF LRKLVKARVITDLSSGI
Purity	>95%, by SDS-PAGE as visualized by Coomassie Blue Staining
Stability	6 months if stored at -80 centigrade. Avoid repeated freeze thaws.
Concentration	1 mg/mL
Storage Buffer	Supplied as a 0.2 µm filtered solution in 20mM HEPES pH 7.0 and 100mM NaCl buffer, with 10% Glycerol.
Preservative	0.05 % NaN ₃
Shipping	This product is shipped as 0.2µm filtered product on dry ice.

GENE INFORMATION

Gene Name	ST3GAL3 ST3 beta-galactoside alpha-2,3-sialyltransferase 3 [Homo sapiens (human)]
Official Symbol	ST3GAL3
Synonyms	ST3GAL3; ST3 beta-galactoside alpha-2,3-sialyltransferase 3; sialyltransferase 6 (N acetyllosaminide alpha 2,3 sialyltransferase) , SIAT6; CMP-N-acetylneuraminate-beta-1,4-galactoside alpha-2,3-sialyltransferase; ST3Gal III; alpha 2,3-ST 3; alpha-2,3-sialyltransferase II; alpha 2,3-sialyltransferase III; Gal beta-1,3(4)GlcNAc alpha-2,3 sialyltransferase; sialyltransferase 6 (N-acetyllosaminide alpha 2,3-sialyltransferase); ST3N; MRT12; SIAT6; ST3GALII; ST3GalIII;
Gene ID	6487

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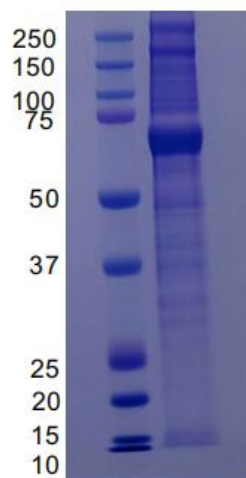
mRNA Refseq [NM_001270459](#)

Protein Refseq [NP_001257388](#)

MIM [606494](#)

UniProt ID [Q11203](#)

SDS-PAGE



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