

Recombinant Full Length Human ST3GAL3 Protein, GST-tagged

Cat. No. ST3GAL3-502HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ST3GAL3 (1 a.a. - 390 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	390 amino acids
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 autosomal recessive nonsyndromic mental retardation-12 (MRT12). Multiple transcript variants encoding several different isoforms have been found for this gene.
Molecular Mass	70.2 kDa
AA Sequence	MGLLVFVRNL LLALCLFLVL GFLYYSAWKL HLLQWEEDSS KYSHSSSPQE KPVADSVVLS FDSAGQTLGS EYDRLGFLN LDSKLPAELA TKYANFSEGA CKPGYASALM TAIFFRFSKP APMFLDDSF KWARIREFVP PFGIKGQDNL IKAILSVTKE YRLTPALDSL RCRRCIIVGN GGVLANCSLG SRIDDYDIVV RLNSAPVKGF EKDVGSKTTL RITYPEGAMQ RPEQYERDSL FVLGFKWQD

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FKWLKYIVYK ERVSASDGFV KSVATRVPE PPEIRILNPY FIQEAAFTLI
GLPFNNGLMG RGNPTLGSV AVTMALHGCD EVAVAGFGYD MSTPNAPLHY
YETVRMAAIK ESWTHNIQRE KEFLRKLKVA RVITDLSSGI

Applications ELISA; WB-Re; AP; Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name ST3GAL3 ST3 beta-galactoside alpha-2,3-sialyltransferase 3 [Homo sapiens (human)]

Official Symbol ST3GAL3

Synonyms ST3GAL3; ST3N; MRT12; SIAT6; EIEE15; ST3GALII; ST3GalIII; ST3 beta-galactoside alpha-2,3-sialyltransferase 3; 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-acetylglucosaminide alpha 2,3-sialyltransferase)

Gene ID 6487

mRNA Refseq NM_174964

Protein Refseq NP_777624

MIM 606494

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UniProt ID

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