

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 GFLYYS AWKL HLLQWEEDSS KYSHSSSPQE KPVADSVVLS FDSAGQTLGS EYDRLGFLN LDSKLP AELA TKYANFSEGA CKPGYASALM TAIFPRFSKP APMFLD DSFR KWARIREFVP PFGIKGQDNL IKAILSVTKE YRLTPALDSL RCRRCIIVGN GGVLANKSLG SRIDDYDIVV RLNSAPVKGF EKDVGSKTTL RITYPEGAMQ RPEQYERDSL FVL AGFKWQD

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FKWLKYIVYK ERVSASDGFV KSVATRVPE PPEIRILNPY FIQEAFTLI
 GLPFNNGLMG RGNIPTLGSV 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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