

Product Information

MemDX™ Membrane Protein Human ST3GAL3 (ST3 beta-galactoside alpha-2,3-sialyltransferase 3) Full Length

Cat. No.: **MPC4178K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human ST3GAL3 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

ST3GAL3

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MGLLVFVRNLLLALCLFLVLGFLYYSAWKLHLLQWEEDSNSVVLVSFDSAG
QTLGSEYDRLGFLNLDLPAELATKYANFSEGACKPGYASALMTAIFP
RFSKPAPMFLDDSFRRKWARIREFVPPFGIKGQDNLIKAILSVTKEYRLTP
ALDSLRCRRCIIVGNGGVLANKSLGSRIDDYDIVVRLNSAPVKGFEKDVG
SKTTLRITYPEGAMQRPEQYERDSLFLAGFKWQDFKWLKYIVYKERVSA
SDGFWKSVATRVKPEPEIRILNPYFIQEAAFTLIGLPFNNGLMGRGNIP
TLGSAVVTMALHGCDEVAVAGFGYDMSTPNAPLHYYETVRMAAIKESWTH
NIQREKEFLRKLVKARVITDLSSGI

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

ST3GAL3

Full Name

ST3 beta-galactoside alpha-2,3-sialyltransferase 3

Introduction

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.

Alternative Names

ST3GAL3; ST3N; DEE15; MRT12; SIAT6; EIEE15; ST3GALII; ST3GalIII; ST3Gal III; CMP-N-acetylneuraminate-beta-1,4-galactoside alpha-2,3-sialyltransferase; Gal beta-1,3(4)GlcNAc alpha-2,3 sialyltransferase; alpha 2,3-ST 3; alpha 2,3-sialyltransferase III; alpha-2,3-sialyltransferase II; sialyltransferase 6 (N-acetylglucosaminide alpha 2,3-sialyltransferase); sialyltransferase 6 (N-acetylglucosaminide alpha 2,3-sialyltransferase); ST3 beta-galactoside alpha-2,3-sialyltransferase 3

Gene ID

[6487](#)

UniProt ID

[Q11203](#)