SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human STX1A (Syntaxin 1A) expressed in E. coli for Antibody Discovery

Cat. No.: **MP0008Q**
This product is for research use only and is not intended for diagnostic use.

This product is a 26.1 kDa Human STX1A membrane protein expressed in E. col. 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
STX1A

Protein Length
Partial

Protein Class
Druggable Genome, Secreted Protein, Transmembrane

Molecular Weight
26.1 kDa

TMD
1

Sequence
MKDRTQELRTAKDSDDDDDVAVTVDRDRFM DEFFEQVEEI
RGFIDKIAENVEEVKRKHSAILASPNPDEKTKEELEELMSDIKKTANKVRSKLKSIEQSI EQEEGLNRSS ADLRIRKTQH
STLSRKFVEV MSEYNATQSDYRERCKGRIQ RQLEITGRTTTSEELEDMLESGNPAIFASGIIMDSSISKQALSEIETRHS
EIIKLENSIRELHDMFMDMA MLVESQ

Product Description

Expression Systems
E. coli

Tag
CaM

Form
Powder

Purification

Conventional chromatography

Purity

≥95 by SDS PAGE

Buffer

20 mM Tris (pH 7.5), 1 mM DTT, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

STX1A

Full Name

Syntaxin 1A

Introduction

This gene encodes a member of the syntaxin superfamily. Syntaxins are nervous system-specific proteins implicated in the docking of synaptic vesicles with the presynaptic plasma membrane. Syntaxins possess a single C-terminal transmembrane domain, a SNARE [Soluble NSF (N-ethylmaleimide-sensitive fusion protein)-Attachment protein REceptor] domain (known as H3), and an N-terminal regulatory domain (Habc). Syntaxins bind synaptotagmin in a calcium-dependent fashion and interact with voltage dependent calcium and potassium channels via the C-terminal H3 domain. This gene product is a key molecule in ion channel regulation and synaptic exocytosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Alternative Names

STX1; HPC-1; P35-1; SYN1A; syntaxin-1A; neuron-specific antigen HPC-1; syntaxin 1A (brain)

Gene ID

6804

UniProt ID

Q16623