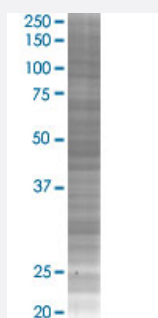


STX1A 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00006804-T02

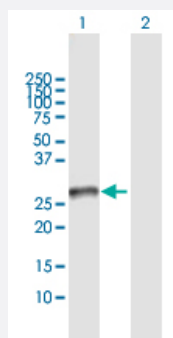
Size 100 uL

Applications



SDS-PAGE Gel

STX1A transfected lysate.



Western Blot

Lane 1: STX1A transfected lysate (29.00 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-STX1A full-length

Host Human

Theoretical MW (kDa) 29

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-STX1A antibody ([H00006804-D01](#)) by Western Blots.

SDS-PAGE Gel

STX1A transfected lysate.

Western Blot

Lane 1: STX1A transfected lysate (29.00 KDa)

Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — STX1A

Entrez GeneID[6804](#)**GeneBank Accession#**[BC003011.1](#)**Protein Accession#**[AAH03011.1](#)**Gene Name**

STX1A

Gene Alias

HPC-1, STX1, p35-1

Gene Description

syntaxin 1A (brain)

Omim ID[186590](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Synaptic vesicles store neurotransmitters that are released during calcium-regulated exocytosis. The specificity of neurotransmitter release requires the localization of both synaptic vesicles and calcium channels to the presynaptic active zone. Syntaxins function in this vesicle fusion process. Syntaxins also serve as a substrate for botulinum neurotoxin type C, a metalloprotease that blocks exocytosis and has high affinity for a molecular complex that includes the alpha-latrotoxin receptor (MIM 600565) which produces explosive exocytosis (Zhang et al., 1995 [PubMed 7622072]). [supplied by OMIM]

Other Designations

-

Pathway

- [SNARE interactions in vesicular transport](#)

Disease

- [Alzheimer disease](#)
- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Developmental Disabilities](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Kidney Failure](#)
- [Mental Retardation](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Overweight](#)
- [Schizophrenia](#)