

Full-Length

SLC33A1 (Human) Recombinant Protein (P01)

Catalog # H00009197-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SLC33A1 full-length ORF (NP_004724.1, 1 a.a. - 549 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSPTISHKDSSRQRRPGNFSHSLDMKSGPLPPGGWDDSHLDSAGREGDREALLGDTGTGDFLK
APQSFRaelSSILLFLYLQGIPLGLAGSIPLILQSKNVSyTDQAFFSFVFWPFSKLLWAPLVDA
VYVKNFGRKSWLVPTQYILGLFMylSTQVDRLLGNTDDRTPDVIALTVAFFLFEFLAATQDIAVD
GWALTMLSRENVGYASTCNSVGQTAGYFLGNVLFALeSADFCNKYLRFPQPrgMTLSDFLFF
WGTVFLITTLVALLKKENEVSvVKEETQGITDTYKLLFAIKMPAVLTFCLLILTAKIGFSAADAVTGL
KLVEEGVPKEHLALLAVPMVPLQIILPLIISKYTAGPQPLNTFYKAMPYRLLGLEyALLVWWTPKVE
HQGGFPIYYMVLLSYALHQVTVYSMyVSIMAFNAKVSDPLIGGYMTLLNTVSNLGGNWPSTVAL
WLVDPLTVKECVGASNQNCRTPAVELCKKLGGSCVTALDGYVESICVFIGFGWWFFLGPKFK
KLQDEGSSSWKCKRNN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

87.3

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

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

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SLC33A1

Entrez GeneID[9197](#)**GeneBank Accession#**[NM_004733.2](#)**Protein Accession#**[NP_004724.1](#)**Gene Name**

SLC33A1

Gene Alias

ACATN, AT-1, AT1, SPG42

Gene Description

solute carrier family 33 (acetyl-CoA transporter), member 1

Omim ID[603690](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The encoded protein is required for the formation of O-acetylated (Ac) gangliosides. It is predicted to contain 6 to 10 transmembrane domains, and a leucine zipper motif in transmembrane domain III. Studies indicate that the protein is localized to the cytoplasm. [provided by RefSeq]

Other Designations

acetyl-Coenzyme A transporter|acetyl-coenzyme A transporter|spastic paraplegia 42 (autosomal dominant)

Pathway

- [Glycosphingolipid biosynthesis - ganglio series](#)

- [Metabolic pathways](#)

Disease

- [Paraplegia](#)