

Recombinant Full Length Human SLC33A1 Protein, GST-tagged

Cat. No. SLC33A1-703HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SLC33A1(1 a.a. - 549 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	549 amino acids
Description	The protein encoded by this gene is required for the formation of O-acetylated (Ac) gangliosides. The encoded protein is predicted to contain 6 to 10 transmembrane domains, and a leucine zipper motif in transmembrane domain III. Defects in this gene have been reported to cause spastic paraplegia autosomal dominant type 42 (SPG42) in one Chinese family, but not in similar patients of European descent. Two transcript variants encoding the same protein have been found for this gene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	87.3 kDa
AA Sequence	MSPTISHKDS SRQRRPGNFS HSLDMKSGPL PPGGWDDSHL DSAGREGDRE ALLGDTGTGD FLKAPQSFRA ELSSILLLLF LYVLQGIPLG LAGSIPLILQ SKNVSYTDQA FFSFVFWPFS LKLLWAPLVD AVYVKNFGRK KSWLVPTQYI LGLFMIYLST QVDRLLGNTD DRTPDVIALT VAFFLFEFLA ATQDIAVDGW

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ALTMLSRENV GYASTCNSVG QTAGYFLGNV LFLALESADF CNKYLRFPQP
 PRGIVTLSDF LFFWGTVFLI TTTLVALLKK ENEVSVVKEE TQGITDTYKL
 LFAIHKMPAV LTFCLLILTA KIGFSAADAV TGLKLVEEGV PKEHLALLAV
 PMVPLQIILP LIISKYTAGP QPLNTFYKAM PYRLLLGLEY ALLVWWTPKV
 EHQQGFPIYY YIVVLLSYAL HQVTVYSMYV SIMAFNAKVS DPLIGGTYMT
 LLNTVSNLGG NWPSTVALWL VDPLTVKECV GASNQNC RTP DAVELCKKLG
 GSCVTALDGY YVESIICVFI GFGWWFFLGP KFKKLQDEGS SSWKCKRNN

Applications

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

Storage

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

GENE INFORMATION
Gene Name

SLC33A1 solute carrier family 33 (acetyl-CoA transporter), member 1 [Homo sapiens]

Official Symbol

SLC33A1

Synonyms

SLC33A1; solute carrier family 33 (acetyl-CoA transporter), member 1; ACATN, acetyl Coenzyme A transporter , spastic paraplegia 42 (autosomal dominant) , SPG42; acetyl-coenzyme A transporter 1; AT 1; AT1; AT-1; ACATN; SPG42; CCHLND

Gene ID

9197

mRNA Refseq

NM_004733

Protein Refseq

NP_004724

MIM

603690

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UniProt ID

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