

Recombinant Full Length Human SYT2 Protein, C-Flag-tagged

Cat. No. SYT2-1027HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SYT2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a synaptic vesicle membrane protein. The encoded protein is thought to function as a calcium sensor in vesicular trafficking and exocytosis. Mutations in this gene are associated with myasthenic syndrome, presynaptic, congenital, with or without motor neuropathy. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46.7 kDa
AA Sequence	MRNIFKRNQEPIVAPATTTATMPIGPVDNSTESGGAGESQEDMFAKLKEKLFNEINKI PLPPWALIAIAV VAGLLLLTCCFCICKKCCCKKKKNKKEKGKGMKNAMNMKDMKGG QDDDDAETGLTEGEGEGEEEEKEPENL GKLQFSLDYDFQANQLTVGVLQAAELPAL DMGGTSDPYVKVFLLPDKKKKYETKVHRKTLNPAFNETFTF KVPYQELGGKTLVMA IYDFDRFSKHDIIGEVKVPMTVDLGQPIEEWRDLQGGEKEEPEKLGDICTSLRY VP TAGKLTVCILEAKNLKKMDVGGGLSDPYVKIHLMQNGKRLKKKKTTVKKKTLNPFYNE SFSFEIPFEQI QKVQVVVTVLDYDKLGKNEAIGKIFVGSNATGTELRHWSMDLANPR RPIAQWHSLKPEEEVDALLGKNKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein, Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name	SYT2 synaptotagmin 2 [Homo sapiens (human)]
Official Symbol	SYT2
Synonyms	CMS7; CMS7A; CMS7B; MYSPC; SytII
Gene ID	127833
mRNA Refseq	NM_001136504.1
Protein Refseq	NP_001129976.1
MIM	600104

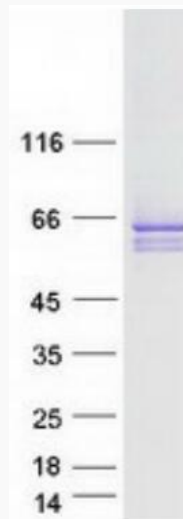
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UniProt ID

Q8N9I0



Coomassie blue staining of purified SYT2 protein.

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