

Recombinant Human SYT11 protein, His-tagged

Cat. No. SYT11-48H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SYT11, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	SYT11 also known as synaptotagmin-11. The protein may be involved in Ca ²⁺ -dependent exocytosis of secretory vesicles through Ca ²⁺ and phospholipid binding to the C2 domain or may serve as Ca ²⁺ sensors in the process of vesicular trafficking and exocytosis. A synaptotagmin potentially involved in Parkinson's disease and schizophrenia.
Form	Liquid. In Phosphate Buffered Saline (pH7.4) containing 50% glycerol
Molecular Mass	47kDa (418aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSWSCCHQQ AEKKQKNPPY KFIHMLKGIS IYPETLSNKK KIKVRRDKD GPGREGGRN LLVDAAEAGLLSRDKDPRGP SSGSCIDQLP IKMDYGEELR SPITSLTPGE SKTTSPSSPE EDVMLGSLTF SVDYNFPKKA LVVTIQEAHG LPVMDDQTQG SDPYIKMTIL PDKRHRVKTR VLRKTLDPVF DETFTFYGIP YSQLQDLVLH FLVLSFDRFS RDDVIGVEMV PLAGVDPSTG KVQLTRDIIKRNIQKCISRG ELQVSLSYQP VAQRMTVVVL KARHLPKMDI TGLSGNPYVK VNVYYGRKRI AKKKTHVKKC TLNPIFNESF IYDIPTDLLP DISIEFLVID FDRTTKNEVV GRLILGAHSV TASGAEHWRE

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VCESPRKPVA KWHSLSEY

Purity >80% by SDS - PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name SYT11 synaptotagmin XI [Homo sapiens]

Official Symbol SYT11

Synonyms SYT11; synaptotagmin XI; synaptotagmin-11; DKFZp781D015; KIAA0080; MGC10881; MGC17226; synaptotagmin 12; SYT12; sytXI;

Gene ID 23208

mRNA Refseq NM_152280

Protein Refseq NP_689493

MIM 608741

UniProt ID Q9BT88

Chromosome Location 1q22

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Function

calcium ion binding; calcium-dependent phospholipid binding; protein binding;
transporter activity;

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