

Recombinant Human SYT3, His-tagged

Cat. No. SYT3-144H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SYT3, 76-590aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	76-590aa
Description	SYT3, also known as synaptotagmin-3, belongs to the synaptotagmin family. It 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. Recombinant human SYT3 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
Molecular Mass	57.7 kDa (540aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSEFWKLCW VPWRDKGGSA VGGGPLRKDL GPGVGLAGLV GGGGHHLAAG LGGHPLLGGP HHHAAHHP PFAELLEPGS LGGSDTPEPS YLDMSYPEA AAAAVAAGVK PSQTSPELPS EGGAGSGLLL LPPSGGGLPS AQSHQQVTSL APTTRYPALP RPLTQQTLTS QPDPSSSEERP PALPLPLPGG EEKAKLIGQI KPELYQGTGP GGRRSGGGPG SGEAGTGAPC GRISFALRYL YGSDQLVVRI LQALDLPKAD SNGFSDPYVK IYLLPDRKKK FQTKVHRKTL NPVFNETFQF SVPLAELAQR KLHFSVYDFD RFSRHDLIQ

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VVLDNLLLELA EQPPDRPLWR DIVEGGSEKA DLGELNFSLC YLPTAGRLTV
 TIIKASNLKA MDLTGFSDPY VKASLISEGR RLKKRKTSIK KNTLNPTYNE
 ALVFDVAPES VENVGLSIAV VDYDCIGHNE VIGVCRVGPD AADPHGREHW
 AEMLANPRKP VEHWHQLVEE KTVTSFTKGS KGLSEKENSE

Purity >85% by SDS - PAGE

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

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name SYT3 synaptotagmin III [Homo sapiens]

Official Symbol SYT3

Synonyms SytIII

Gene ID 84258

mRNA Refseq NM_032298.2

Protein Refseq NP_115674.1

MIM 600327

UniProt ID Q9BQG1

Chromosome Location 19q13.33

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Function	metal ion binding;transporter activity;
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