

SYT1 recombinant protein

SYT1, 136-382aa, Human, His tag, E Coli

CATALOG # AAA48700	HOST E Coli	APPLICATIONS SDS-Page
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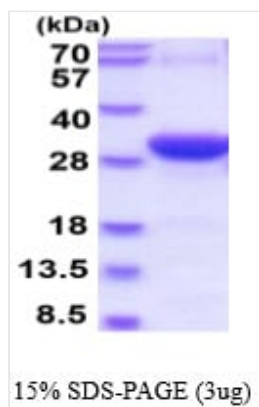
PRODUCT SYNONYMS

SYT1; 136-382aa; Human; His tag; E Coli; synaptotagmin 1; P65; SVP65; SYT; SYT1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 100mM NaCl
Concentration	0.25mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MEPKEEEKLG KLQYSLDYDF QNNQLLVGII QAAELPALDM GGTSDPYVKV FLLPDKKKKF ETKVHRKTLN PVFNEQFTFK VPYSELGGKT LVMAYYDFDR FSKHDIIGEF KVPMTVDVFG HVTEEWRDLQ SAEKEEQEKL GDICFSLRYV PTAGKLTVVI LEAKNLKKMD VGGLSDPYVK IHLMQNGKRL KKKKTTIKKN TLNPYYNESF SFEVPFEIQI KQVQVVTVLD YDKIGKNDAI GKVFVGYNLE HHHHHH
Sequence Length	422
Applicable Applications for SYT1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for SYT1 recombinant protein	Synaptotagmin-1 (SYT1) belongs to the synaptotagmin family contains 2 C2 domains. The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca (2+) sensors in the process of vesicular trafficking and exocytosis. SYT1 is the master switch responsible for allowing the human brain to release neurotransmitters. Recombinant human SYT1 protein, fused to His-tag at C-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for SYT1 recombinant protein	Neuroscience
References	Han C., et al. (2009) J. Immunol. 182:2986-2996; Xi, D., et al. (1999) Neuroscience 88: 425-435.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5032139
NCBI GeneID	6857
NCBI Accession #	NP_005630
NCBI GenBank Nucleotide #	NM_005639.2
UniProt Accession #	P21579; Q6AI31
Molecular Weight	29.5kDa (256aa), confirmed by MALDI-TOF
NCBI Official Full Name	synaptotagmin-1 isoform 1
NCBI Official Synonym Full Names	synaptotagmin 1
NCBI Official Symbol	SYT1
NCBI Official Synonym Symbols	P65; SYT; SVP65
NCBI Protein Information	synaptotagmin-1
UniProt Protein Name	Synaptotagmin-1
UniProt Gene Name	SYT1
UniProt Synonym Gene Names	SVP65; SYT; Sytl

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/syt1-recombinant-protein-e-coli-sds-page/48700>