

Synaptotagmin I Human Recombinant

Item Number	rAP-4894
Synonyms	Synaptotagmin-1, Synaptotagmin I, Sytl, p65, SYT1, SVP65, SYT.
Description	SYT1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 256 amino acids (136-382 a.a) and having a molecular mass of 29.5kDa.SYT1 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P21579
Amino Acid Sequence	MEPKKEEKLK KLQYSLDYDF QNNQLLVGII QAAELPALDM GGTSDPYVKV FLLPDKKKKF ETKVHRKTLN PVFNEQFTFK VPYSELGGKT LVMAVYDFDR FSKHDIIGEF KVPMNTVDFG HVTEEWRDLQ SAEKEEQEKL GDICFSLRYV PTAGKLTIVI LEAKNLKKMD VGGLSDPYVK IH- LMQNGKRL KKKKTTIKKN TLNPYYNESF SFEVPFEIQ KVVVVTVLD YDKIGKNDAL GKVFGYNLE HHHHHH.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	SYT1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 20% glycerol and 100mM NaCl. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**