

Recombinant Human SYT1

Cat. No. SYT1-31492TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 96-421 of Human Synaptotagmin 1. Note: SYT1-31492TH is mutated in the position I367T and contains a deletion of three amino acids 117A, 118L, and 119K
Species	Human
Source	E.coli
Protein Length	96-421 a.a.
Description	The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Calcium binding to synaptotagmin-1 participates in triggering neurotransmitter release at the synapse (Fernandez-Chacon et al.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: PBS, pH 7.3 Note: Under these conditions, to avoid precipitation or protein dimerization, the product can be concentrated to a maximum of 500 µM.
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequence Similarities Belongs to the synaptotagmin family.Contains 2 C2 domains.

GENE INFORMATION

Gene Name SYT1 synaptotagmin I [Homo sapiens]

Official Symbol SYT1

Synonyms SYT1; synaptotagmin I; SVP65, SYT; synaptotagmin-1; P65;

Gene ID 6857

mRNA Refseq NM_001135805

Protein Refseq NP_001129277

MIM 185605

Uniprot ID P21579

Chromosome Location 12cen-q21

Pathway Acetylcholine Neurotransmitter Release Cycle, organism-specific biosystem; Botulinum neurotoxicity, organism-specific biosystem; Dopamine Neurotransmitter Release Cycle, organism-specific biosystem; Effects of Botulinum toxin, organism-specific biosystem; GABA synthesis, release, reuptake and degradation, organism-specific biosystem;

Function 1-phosphatidylinositol binding; calcium ion binding; calcium-dependent protein binding; calmodulin binding; identical protein binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA