

## Product datasheet for **AR51457PU-S**

### Synaptotagmin-3 (76-590, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Synaptotagmin-3 (76-590, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSEFWKLCW VPWRDKGGSA VGGGPLRKDL GPGVGLAGLV GGGGHHLAAG LGGHPLLGGP HHHAAHHP PFAELLEPGS LGGSDTPEPS YLDMDSYPEA AAAAVAAGVK PSQTSPELPS EGGAGSGLLL LPPSGGGLPS AQSHQQVTSL APTTRYPALP RPLTQQTLTS QPDPSEERP PALPLPLPGG EEKAKLIGQI KPELYQGTGP GGRRSGGGPG SGEAGTGAPC GRISFALRYL YGSDQLVWRI LQALDLPKAD SNGFSDPYVK IYLLPDRKKK FQTKVHRKTL NPVFNETFQF SVPLAELAQR KLHFSVYDFD RFSRHDLIQV WLDNLLLELA EQPPDRPLWR DIVEGGSEKA DLGELNFSLC YLPTAGRLTV TIIKASNLKA MDLTGFSDPY VKASLISEGR RLKKRKTSL KNTLNPTYNE ALVFDVAPES VENVGLSIIV VDYDCIGHNE VIGVCRVGPD AADPHGREHW AEMLANPRKP VEHWHQLVEE KVTSTFKGS KGLSEKENSE
Tag:	His-tag
Predicted MW:	57.7 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M Urea
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SYT3 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001153800</a>
Locus ID:	84258
UniProt ID:	<a href="#">Q9BQG1</a> , <a href="#">A0A024R4I9</a>



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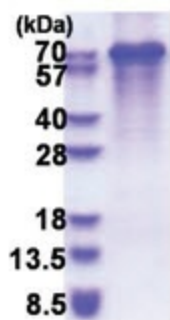
Cytogenetics: 19q13.33

Synonyms: SytIII

Summary: Ca(2+) sensor involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain. Ca(2+) induces binding of the C2-domains to phospholipid membranes and to assembled SNARE-complexes; both actions contribute to triggering exocytosis (By similarity). Plays a role in dendrite formation by melanocytes (PubMed:23999003).[UniProtKB/Swiss-Prot Function]

Protein Families: Secreted Protein, Transmembrane

### Product images:



15% SDS-PAGE (3ug)