

## Product datasheet for **AR51168PU-N**

### Syntaxin 17 / STX17 (1-229, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Syntaxin 17 / STX17 (1-229, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMSEDEEK VKLRRLEPAI QKFIKIVIPT DLRLRKHQI NIEKYQRCRI WDKLHEEHIN AGRTVQQLRS NIREIEKLCL KVRKDDLVL KRMIDPVKEE ASAATAEFLQ LHLESVEELK QQFNDEETLL QPPLTRSM TV GGAFHTTEAE ASSQSLTQIY ALPEIPQDQN AAESWETLEA DLIELS QLVT DFSLLVNSQQ EKIDSIADHV NSAAVNVEEG TKNLKGAAKY KL
Tag:	His-tag
Predicted MW:	28.6 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 0.15M NaCl, 30% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human STX17 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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_060389</a>
Locus ID:	55014
UniProt ID:	<a href="#">P56962</a>
Cytogenetics:	9q31.1



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**Summary:**

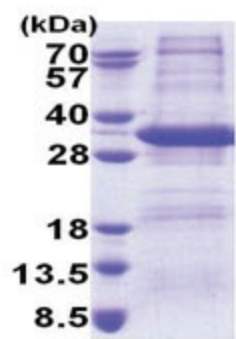
SNAREs, soluble N-ethylmaleimide-sensitive factor-attachment protein receptors, are essential proteins for fusion of cellular membranes. SNAREs localized on opposing membranes assemble to form a trans-SNARE complex, an extended, parallel four alpha-helical bundle that drives membrane fusion (PubMed:23217709, PubMed:25686604, PubMed:28306502). STX17 is a SNARE of the autophagosome involved in autophagy through the direct control of autophagosome membrane fusion with the lysosome membrane (PubMed:23217709, PubMed:25686604, PubMed:28306502). May also play a role in the early secretory pathway where it may maintain the architecture of the endoplasmic reticulum-Golgi intermediate compartment/ERGIC and Golgi and/or regulate transport between the endoplasmic reticulum, the ERGIC and the Golgi (PubMed:21545355).[UniProtKB/Swiss-Prot Function]

**Protein Families:**

Druggable Genome, Transmembrane

**Protein Pathways:**

SNARE interactions in vesicular transport

**Product images:**

15% SDS-PAGE (3ug)