

Product datasheet for **AR50360PU-S**

Syntaxin 12 / STX12 (1-248, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Syntaxin 12 / STX12 (1-248, His-tag) human recombinant protein, 20 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMSYGPL DMYRNPGPSG PQLRDFSSII QTCSGNIQRI SQATAQIKNL MSQLGTKQDS SKLQENLQQL QHSTNQLAKE TNELLKELGS LPLPLTSEQ RQQRLQKERL MNDFSAAALNN FQAVQRRVSE KEKESIARAR AGSRLSAEER QREEQLVSFD SHEEWNQM QS QEDEVAITEQ DLELIKERET AIRQLEADIL DVNQIFKDLA MMIHQDGLI DSIEANVESS EVHVERATEQ LQRAAYYQKK SR
Tag:	His-tag
Predicted MW:	31.0 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human STX12 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:	NP_803173
Locus ID:	23673
UniProt ID:	Q86Y82
Cytogenetics:	1p35.3
Synonyms:	STX13; STX14



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Summary: SNARE that acts to regulate protein transport between late endosomes and the trans-Golgi network. The SNARE complex containing STX6, STX12, VAMP4 and VT11A mediates vesicle fusion (in vitro) (By similarity). Through complex formation with GRIP1, GRIA2 and NSG1 controls the intracellular fate of AMPAR and the endosomal sorting of the GRIA2 subunit toward recycling and membrane targeting (By similarity).[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: SNARE interactions in vesicular transport

Product images:

