Recombinant Human Vesicle-associated membrane protein 7(VAMP7),partial

Catalog No: #AP70907

Package Size: #AP70907-1 20ug #AP70907-2 100ug #AP70907-3 1mg

Signalway Antibody
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Description

Product Name	Recombinant Human Vesicle-associated membrane protein 7(VAMP7),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-186aaSequence Info:Cytoplasmic Domain
Other Names	Synaptobrevin-like protein 1Tetanus-insensitive VAMP ;Ti-VAMP
Accession No.	P51809
Calculated MW	25 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	AILFAVVARGTTILAKHAWCGGNFLEVTEQILAKIPSENNKLTYSHGNYLFHYICQDRIVYLCITDDDFERSRAFN FLNEIKKRFQTTYGSRAQTALPYAMNSEFSSVLAAQLKHHSENKGLDKVMETQAQVDELKGIMVRNIDLVAQR GERLELLIDKTENLVDSSVTFKTTSRNLARAMCMKN
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Involved in the targeting and,or fusion of transport vesicles to their target mbrane during transport of proteins from the early endosome to the lysosome. Required for heterotypic fusion of late endosomes with lysosomes and homotypic lysosomal fusion. Required for calcium regulated lysosomal exocytosis. Involved in the export of chylomicrons from the endoplasmic reticulum to the cis Golgi. Required for exocytosis of mediators during eosinophil and neutrophil degranulation, and target cell killing by natural killer cells. Required for focal exocytosis of late endocytic vesicles during phagosome formation.

References

Initial characterization of the human central proteome.Burkard T.R., Planyavsky M., Kaupe I., Breitwieser F.P., Buerckstuemmer T., Bennett K.L., Superti-Furga G., Colinge J.BMC Syst. Biol. 5:17-17(2011)Research Topic:Cell Cycle