

## Recombinant rat Vesicle-fusing ATPase

Catalog No: #AP72287



Package Size: #AP72287-1 20ug #AP72287-2 100ug #AP72287-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Recombinant rat Vesicle-fusing ATPase
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:7-209aaSequence Info:Partial
Other Names	N-ethylmaleimide-sensitive fusion protein ;NEM-sensitive fusion proteinVesicular-fusion protein NSF
Accession No.	Q9QUL6
Uniprot	Q9QUL6
GeneID	60355;
Calculated MW	26.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	QAARCPTDELSLSNCAVVNEKDYQSGQHVMVVRTSPNHKYIFTLRTHPSVVPGCIAFSLPQRKWAGLSIGQDIE VALYSFDKAKQCIGTMTIEIDFLQKKNIDSNPYDTDKMAAEFIQQFNHQAFSVGQQLVFSFNDKLFGLLVKDIEA MDPSILKGEPASGKRQKIEVGLVVGNSQVAFEKAENSSLNLIGKAKTKENRQSII
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

Required for vesicle-mediated transport. Catalyzes the fusion of transport vesicles within the Golgi cisternae. Is also required for transport from the endoplasmic reticulum to the Golgi stack. Ses to function as a fusion protein required for the delivery of cargo proteins to all compartments of the Golgi stack independent of vesicle origin. Interaction with AMPAR subunit GRIA2 leads to influence GRIA2 mbrane cycling.

## References

Plk2 attachment to NSF induces homeostatic removal of GluA2 during chronic overexcitation.Evers D.M., Matta J.A., Hoe H.S., Zarkowsky D., Lee S.H., Isaac J.T., Pak D.T.Nat. Neurosci. 13:1199-1207(2010)Research Topic:Others

Note: This product is for in vitro research use only