

Recombinant human Gamma-aminobutyric acid receptor-associated protein-like 2

Catalog No: #AP71821

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Package Size: #AP71821-1 20ug #AP71821-2 100ug #AP71821-3 1mg

Description

Product Name	Recombinant human Gamma-aminobutyric acid receptor-associated protein-like 2
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-117aaSequence Info:Full Length
Other Names	GABA(A) receptor-associated protein-like 2Ganglioside expression factor 2 ;GEF-2General protein transport factor p16Golgi-associated ATPase enhancer of 16KDA ;GATE-16MAP1 light chain 3-related protein
Accession No.	P60520
Uniprot	P60520
GeneID	11345;
Calculated MW	40.7 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MKWMFKEDHSLEHRCVESAKIRAKYPDRVPVIVEK/SGSQIVDIDKRKYLVPSDITVAQFMWIIRKRIQLPSEKA IFLFVDKTPQSSSLTMGQLYEKEKDEDEGFLYVAYSGENTFGF
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

Ubiquitin-like modifier involved in intra-Golgi traffic. Modulates intra-Golgi transport through coupling between NSF activity and SNAREs activation. It first stimulates the ATPase activity of NSF which in turn stimulates the association with GOSR1 . Involved in autophagy. Plays a role in mitophagy which contributes to regulate mitochondrial quantity and quality by eliminating the mitochondria to a basal level to fulfill cellular energy requirements and preventing excess ROS production. Whereas LC3s are involved in elongation of the phagophore mbrane, the GABARAP,GATE-16 subfamily is essential for a later stage in autophagosome maturation.

References

Interaction of the Unc-51-like kinase and microtubule-associated protein light chain 3 related proteins in the brain possible role of vesicular transport in axonal elongation.Okazaki N., Yan J., Yuasa S., Ueno T., Kominami E., Masuho Y., Koga H., Muramatsu M.-A.Brain Res. Mol. Brain Res. 85:1-12(2000)Research Topic:Transport

Note: This product is for in vitro research use only