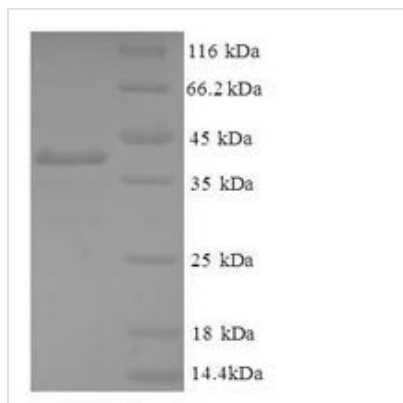




Recombinant Human Gamma-aminobutyric acid receptor-associated protein-like 2 (GABARAPL2)

Product Code	CSB-EP009132HU
Relevance	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 membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation.
Abbreviation	Recombinant Human GABARAPL2 protein
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.
Uniprot No.	P60520
Alias	GABA(A) receptor-associated protein-like 2;Ganglioside expression factor 2 ;GEF-2;General protein transport factor p16;Golgi-associated ATPase enhancer of 16 kDa ;GATE-16;MAP1 light chain 3-related protein
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MKWMFKEDHSLEHRCVESAKIRAKYPDRVPVIVEKVSQIVDIDKRKYLVP DITVAQFMWIIRKRIQLPSEKAIFLFVDKTVQSSLTMGQLYEKEKDEEDGFLYVA YSGENTFGF
Research Area	Transport
Source	E.coli
Target Names	GABARAPL2
Expression Region	1-117aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	40.7kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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