

Recombinant Mouse GLMN Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51747

Size: 10ug, 100ug

Protein Name: Glomulin (FK506-binding protein-associated protein) (FAP) (FKBP-associated protein)

Synonym: Glmn, Fap48

UniProt ID: Q8BZM1

UniProt Link: www.uniprot.org/uniprotkb/Q8BZM1/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 596 AA

Molecular Weight: 68 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MAVEELQSIIRKRCQILEEHDFKEEDFGLFQLAGQRCIEDGYINQLLEIIQDEKNKTIKSMGWNLVGPV
RCLLRGREEDKREECFLIFDLLVKLCNPKEILLGLLELIEEPSGKQISQIILLQLPLQTVIQKLPNNKAY
SVGLALSTLWSQLSLLPVPHSEEQIQADDYGLCQCCKALIEFTKPFVEEVISDKENKENAKLKDELLK
FCFKGLKCPLLTAQFLEQSEDVGNDFRCFASEIIGFLSKIGHVPVQIILNHGRKKRTWDYLEFEEEEED
KQLAESVASLTYLVFVQGIGIDQLPMVLSPSYLLQLNMEHIEVFLQRTEQSIYSKGLELLETSLRLLED
NSLCYQYLEIKSFLAVPQGLVKVMTLCPIETLRKKGLSMLQLFIDKLDSQGKYTLFRCLLNTSNHSGV
EAFVIQNIKNQIDLSFKKTYNKWFAGAQLISLLDLVLSLPEGAETDLLQNSDRIMASLNLLRYLVIKDNE
DDNQTGLWTELGIENNFLKPLHIGLNMKAHYEAEIKNSQQNNQVASMCKGVCSVTVGGEIIPSM
PPEMQLKVLHSALFTFDLIESVLARVEELIEIKSKSTSEENVGIK

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Glomulin (FK506-binding protein-associated protein) (FAP) (FKBP-associated protein) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Regulatory component of cullin-RING-based SCF (SKP1-Cullin-F-box protein) E3 ubiquitin-protein ligase complexes. Inhibits E3 ubiquitin ligase activity by binding to the RING domain of RBX1 and inhibiting its interaction with the E2 ubiquitin-conjugating enzyme CDC34. Inhibits RBX1-mediated neddylation of CUL1 (By similarity). Required for normal stability and normal cellular levels of key components of SCF ubiquitin ligase complexes, including FBXW7, RBX1, CUL1, CUL2, CUL3, CUL4A, and thereby contributes to the regulation of CCNE1 and MYC levels (PubMed:22405651). Essential for normal development of the vasculature (PubMed:22405651). Contributes to the regulation of RPS6KB1 phosphorylation (By similarity).

Subcellular Localization: N/A

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.