

Recombinant Mouse PIK3R1 Protein Product Manual

1. Product Basic Information

Product No.: REP07793

Protein Name: Pi3 Kinase-Associated P85 (PIK3R1)

Aliases: p85; AGM7; GRB1; IMD36; p85alpha; p85-ALPHA; PI3 kinase-associated p85; PI3-kinase subunit p85-alpha; PI3K regulatory subunit alpha

UniProt ID: P27986

UniProt Link: <https://www.uniprot.org/uniprotkb/P27986/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-724aa)

Molecular Weight: 90.3 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (2-724aa)

SAEGYQYRALYDYKKEREEDIDLHLGDILTVNKGSLVALGFSDGQEARPEDIGWLN
GYNETTGERGDFPGTYVEYIGRKRISPPTPKPRPPRPLPVAPGSSKTEADTEQQAL
PLPDLAEQFAPPDVAPLLIKLLEAIEKKGLECSTLYRTQSSSNPAELRQLLDCAAS
VDLEMIDVHVLADAFKRYLADLPNPVIPVAVYNEMMSLAQELQSPEDCIQLLKKLIRL
PNIPHQCWLTQYLLKHFFKLSQASSKNLLNARVLSEIFSPVLF RFPAASSDNTEHLI
KAIEILISTEWNERQPAPALPPKPPKPTTVANNSMNNNMSLQDAEWYWGDISREEV
NEKLRDADGTFLVRDASTKMHGDYTLTLRKGNNKLIKIFHRDGYGFSPLTFNS
VVELINHYRNESLAQYNPKLDVKLLYPVSKYQQDQVVKEDNIEAVGKKLHEYNTQF
QEK SREYDRLYEEYTRTSQEIQMKRTAIEAFNETIKIFEEQCQTQERY SKEYIEKFKR
EGNEKEIQRIMHNHDKLKSRISEIIDSRRRLEEDLKKQAAEYREIDKRMNSIKPDLIQL
RKTRDQYLMWLTQKGVRQKKNLNEWLGNENTEDQYSLVEDDEDLPHHDEKTNWVG
SSNRNKAENLLRGKRDGTFLVRESSKQGCYACSVVVDGEVKHCVINKTATGYGFA
EPYNLYSSLKELVLHYQHTSLVQHNDSLNVTLAYPVYAQQRR

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom



Enlibio Wuhan Enlibio Biotech Co.,Ltd Manuals version5.9
glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse PIK3R1 full length of mature protein protein (2-724aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. PIK3R1, also known as p85 or AGM7 or GRB1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.