

Recombinant Human GAB1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50349

Size: 10ug, 100ug

Protein Name: GRB2-associated-binding protein 1 (GRB2-associated binder 1) (Growth factor receptor bound protein 2-associated protein 1)

Synonym: GAB1

UniProt ID: Q13480

UniProt Link: www.uniprot.org/uniprotkb/Q13480/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 694 AA

Molecular Weight: 77 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MSGGEVVCSGWLRKSPPEKKLKRYAWKRRWFVLRSGRLTGDPDVLEYYKNDHAKKPIRIIDLNLCCQ
QVDAGLTFNKKEFENSYIFDINTIDRIFYLVADSEEEMNKWVRCICDICGFNPTEEDPVKPPGSSLQAP
ADLPLAINTAPPSTQADSSSATLPPPYQLINVPPHLETLGIQEDPQDYLLINCQSKKPEPTRTHADSA
KSTSSETDCNDNVPSHKNPASSQSKHGMNGFFQQQMIYDSPSRAPSASVDSSLYNLPRSYSHDV
LPKVSPSSTEADGELYVFNTPSGTSSVETQMRHVSISYDIPPTPGNTYQIPRTFPEGTLGQTSKLDTI
PDIPPPRPPKPHPAHDRSPVETCSIPRTASDTDSSYCIPTAGMSPSRSTNTISTVDLNKLRKDASSQDC
YDIPRAFPSSDRSSSLEGFHNHFKVKNVLTVGVSSEELDENEYVPMNPNPSPRQHSSTFTEPIQEANY
VPMTPGTDFDFSSFGMQVPPPAHMGFRSSPKTPPRRPVPVADCEPPPVDRNLKPDRKVKPAPLEIKP
LPEWEELQAPVRSPITRSFARDSSRFPMSPRPDSVHSTTSSSDSHDSEENEYVPMNPNLSSDPNLF
GSNSLDGGSSPMIKPKGDKQVEYLDLDSGKSTPPRKQKSSSGSGSSVADERVDYVVVDQQKTLA
LKSTREAWTDGRQSTESETPAKSVK

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 GRB2-associated-binding protein 1 (GRB2-associated binder 1) (Growth factor receptor bound protein 2-associated protein 1) 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: Adapter protein that plays a role in intracellular signaling cascades triggered by activated receptor-type kinases. Plays a role in FGFR1 signaling. Probably involved in signaling by the epidermal growth factor receptor (EGFR) and the insulin receptor (INSR). Involved in the MET/HGF-signaling pathway (PubMed:29408807).

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.