

Recombinant Human FIL1L Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50334

Size: 10ug, 100ug

Protein Name: Filamin A-interacting protein 1-like (130 kDa GPBP-interacting protein) (90 kDa GPBP-interacting protein) (Protein down-regulated in ovarian cancer 1) (DOC-1)

Synonym: FILIP1L, COL4A3BPIP, DOC1, GIP90

UniProt ID: Q4L180

UniProt Link: www.uniprot.org/uniprotkb/Q4L180/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 1135 AA

Molecular Weight: 130 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MRSRGSDTEGSAQKKFPRHTKGHSFQGPKNMKHRQQDKDSPSESDVILPCPKAEKPHSGNGHQA
EDLSRDDLLFLLSILEGELQARDEVIGILKAEKMDLALLEAQYGFVTPKKVLEALQRDAFQAKSTPWQ
EDIYEKPMNELDKVVEKHKESYRRILGQLLVAEKSRRQTILEEEEEKRKHKEYMEKSDEFICLLEQEC
ERLKKLIDQEIKSQEEKEQEKEKRVTTLKEELTKLKSFALMVVDEQQRLTAQLTLQRQKIQELTTNAK
ETHTKLALAEARVQEEEQKATRLEKELQTQTTKFHQDQDTIMAKLTNEDSQNRQLQQKLAALSRQID
ELEETNRSRLKAEELQDIKEKISKGEYGNAGIMAEVEELRKRVLDMEGKDEELIKMEEQCRDLNKRL
ERETLQSKDFKLEVEKLSKRIMALEKLEDAFNKSKQECYSLKCNLEKERMTTKQLSQELESKLVRIKE
LEAIESRLEKTEFTLKEDLTCLKTLTVMFVDERKTMSEKLKKTEDKLQAASSQLQVEQNKVTTVTTEKLI
EETKRALKSKTDVEEKMYSVTKERDDLKKNLKAEEEEKGNLDSRVNMLKNRLQSLEAIEKDFLKNKL
NQDSGKSTTALHQENNIKELSQEVERLKLKLKDMKAIEDDLMKTEDEYETLERRYANERDKAQFLS
KELEHVKMELAKYKLAEKTETSHEQWLFKRLQEEEEAKSGHLSREVDALKEKIHEYMATEDLICHLQG
DHSV LQKKLNQQENRNRDLGREIENLTKE LERYRHFSKSLRPSLNGRRISDPQVFSKEVQTEAVDNE
PPDYKSLIPLERAVINGQLYEESENQDEDPNDEGSVLSFKCSQSTPCPVNRKLWIPWMKSKEGHLQ
NGKMQTKPNANFVQPGDLVLSHTPGQPLHIKVTPDHVQNTATLEITSPTTESPHSYTSTAVIPNCGTP
KQRITILQNASITPVKSKTSTEDLMNLEQGMSPITMATFARAQTPESCGSLTPERTMSPIQVLAVTGS
ASSPEQGRSPEPTEISAKHAIFRVSPDRQSSWQFQRSNSNSSSVITTEDNKIHIHLGSPYMQAVASP
VRPASPSAPLQDNRTQGLINGALNKTTNKVTSSITITPTATPLPRQSQITVEPLLLPH

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 Filamin A-interacting protein 1-like (130 kDa GPBP-interacting protein) (90 kDa GPBP-interacting protein) (Protein down-regulated in ovarian cancer 1) (DOC-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: Acts as a regulator of the antiangiogenic activity on endothelial cells. When overexpressed in endothelial cells, leads to inhibition of cell proliferation and migration and an increase in apoptosis. Inhibits melanoma growth When expressed in tumor-associated vasculature.

Subcellular Localization: Cytoplasm . Membrane . Nucleus .

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.