

Recombinant Human IFT1B Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50478

Size: 10ug, 100ug

Protein Name: Protein IFIT1 homolog B (Interferon-induced protein with tetratricopeptide repeats 1-like protein) (Interferon-induced protein with tetratricopeptide repeats 1B)

Synonym: IFIT1B, IFIT1L

UniProt ID: Q5T764

UniProt Link: www.uniprot.org/uniprotkb/Q5T764/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 474 AA

Molecular Weight: 55 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MSEESDGKLIEDSLIQLRCHFTWKLLIEAPEIPDLENRIWEEIQFLDTKYNVGIHNLLAYVKHLKGQNEE
ALVSLKKAEDLIQKEHANQADIRSLVTWGNFAWVYYHMGRLAEAQTYLDKVENTCKKFANPSRYRM
ECPEVDCEEGWALAKCGGKNYERAKTCFEKALEGNPENPEFNTGYAITVYRLDKFNTASGRNKAFS
LHVLKRAVRLNPDDVYIRVLLALKLQDEGQEAEGEKYIEEALTSISSQAYVFQYAAKFYRRKGSVDKA
LELLKMALETTPTS AFLHHQMGLCYRAQMIQIKEATNWQPRGQDRETVDRLVQLAICKFEKTIMLKRT
FEMAYVDLAETYAEIGHHRKAEHFQKGLRMKIFEDQLKQEIHYHYGRFQEHHGKSQDKAITHYLGK
LKIEKMSHSREKLLNALEKLAKRCIHQNVVRVSVSLLGLIHKLKGEVSDALLCYERALRLAADLNPIF

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 Protein IFIT1 homolog B (Interferon-induced protein with tetratricopeptide repeats 1-like protein) (Interferon-induced protein with tetratricopeptide repeats 1B) 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: IFIT1B is likely non-functional, lacking the critical antiviral role of IFIT1. Unlike IFIT1, which is essential in the innate immune response as part of an interferon-dependent multiprotein complex, IFIT1B does not prevent the translation of viral RNAs that lack host-specific 2'-O-methylation at their 5' cap. Consequently, it probably cannot inhibit their translation by competing with the host translation machinery.

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.