

Recombinant Human IF44L Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50447

Size: 10ug, 100ug

Protein Name: Interferon-induced protein 44-like

Synonym: IFI44L, C1orf29, GS3686

UniProt ID: Q53G44

UniProt Link: www.uniprot.org/uniprotkb/Q53G44/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 452 AA

Molecular Weight: 51 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MEVTTRLTWNDENHLRKLLGNVSLSLLYKSSVHGGSIEDMVERCSRQGCTITMAYIDYNMIVAFMLG
NYINLHESSTEPNDLSLWFSLQKKNDTTEIETLLLNTAPKIIDQLVCRLSKTDIFIICRDNKKIYLDKMITRN
LKLRFYGHRQYLECEVFRVEGIKDNLDIKRIKAREHRNRLADIRDPYADLVSEIRILLVGPVGS
KSSFFNSVKSIFHGHVTGQAVVGS DITSITERYRIYSVKDGKNGKSLPFMLCDTMGLDGAEGAGLCM
DDIPHILKGCMPDRYQFNSRKPTPEHSTFITSPSLKDRIHCVAYVLDINSIDNLYSKMLAKVKQVHKEV
LNCGIAYVALLTKVDDCSEVLQDNFLNMSRSMTSQSRVMNVHKMLGIPISNILMVGNYASDLELDPM
KDILILSALRQMLRAADDLEDLPLEETGAIERALQPCI

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 Interferon-induced protein 44-like 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: Type I interferon-stimulated gene (ISG) that plays a critical role in antiviral and antibacterial activity (PubMed:34722780). During bacterial infection, promotes macrophage differentiation and facilitates inflammatory cytokine secretion (PubMed:34722780). Plays a role in the control of respiratory syncytial virus/RSV infection, reducing the ability of the virus to replicate (PubMed:32611756). Exhibits a low antiviral activity against hepatitis C virus (PubMed:21478870). Also acts as a feedback regulator of IFN responses by negatively regulating IKBKB and IKBKE kinase activities through interaction with FKBP5 (PubMed:31434731).

Subcellular Localization: Cytoplasm .

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.