

Recombinant Mouse IFNAB Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52060

Size: 10ug, 100ug

Protein Name: Interferon alpha-11 (IFN-alpha-11) (Limitin)

Synonym: Ifna11

UniProt ID: Q61716

UniProt Link: www.uniprot.org/uniprotkb/Q61716/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 190 AA

Molecular Weight: 22 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MARLCAFLMILIVMSYWSTCSLGCDLPHTYNLRNKRALKVLAQMRRLTPLSCLKDRKDFGFPLEKVD
AQQIQKAQSIPLVRLDTQQILNLFASKDSSAAWNATLLDSFCNDLHQQLNDLQGCLMQQVGVQESPL
TQEDSLLAVRIYFHRITVFLREKKHSPCAWEVVRAEVWRALSSSANVLGRLREEKA

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 alpha-11 (IFN-alpha-11) (Limitin) 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: Has antiviral and antiproliferative activities (PubMed:15254193). Produced by macrophages and stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase (By similarity). During viral infection, mediates antiviral effect, either directly by inducing interferon-stimulated genes, either indirectly through stimulation of natural killer cells enabling them to control viral replication (PubMed:22912583).

Subcellular Localization: Secreted .

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.