

Recombinant Human IFNK Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50472

Size: 10ug, 100ug

Protein Name: Interferon kappa (IFN-kappa)

Synonym: IFNK, UNQ6124/PRO20084

UniProt ID: Q9P0W0

UniProt Link: www.uniprot.org/uniprotkb/Q9P0W0/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 207 AA

Molecular Weight: 25 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MSTKPDMIQKCLWLEILMGIFIAGTSLDCNLLNVHLRRVTWQNLRHLSSMSNSFPVECLRENIAFEL
PQEFLQYTQPMKRDIKAFYEMSLQAFNIFSQHTFKYWKERHLKQIQIGLDQQAAYLNQCLEEDKNE
NEDMKEMKENEMKPSEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEIVRVEIRRCLYYFYKFTA
LFRRK

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 kappa (IFN-kappa) 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: May play a role in the regulation of immune cell function. Cytokine that imparts cellular protection against viral infection in a species-specific manner. Activates the interferon-stimulated response element signaling pathway. It is able to directly modulate cytokine release from monocytes and dendritic cells. Binds heparin.

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.