

Recombinant Human ILRUN Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50550

Size: 10ug, 100ug

Protein Name: Protein ILRUN (Inflammation and lipid regulator with UBA-like and NBR1-like domains protein)

Synonym: ILRUN, C6orf106

UniProt ID: Q9H6K1

UniProt Link: www.uniprot.org/uniprotkb/Q9H6K1/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 298 AA

Molecular Weight: 33 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MEGMDVDLDPELMQKFSC LGTTDKDVLISEFQRLLGFQLNPAGCAFFLDMTNWNLQAAIGAYYDFE
SPNISVPSMSFVEDVTIGEGESIPPDTQFVKTWRIQNSGAEAWPPGVCLKYVGGDQFGHVNMMVMVR
SLEPQEIADVSVQMCSPSRAGMYQGQWRMCTATGLYYGDVIWVILSVEVGGLLGVTQQLSSFETEF
NTQPHRKVEGNFNPFA SPQKNRQSDENNLKDPGGSEFDSISKNTWAPAPDTWAPAPDQTEQDQN
RLSQNSVNLSPSSHANNLSVVTYSKGLHGPYPFGQS

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 ILRUN (Inflammation and lipid regulator with UBA-like and NBR1-like domains protein) 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: Negative regulator of innate antiviral response. Blocks IRF3-dependent cytokine production such as IFNA, IFNB and TNF (PubMed:29802199). Interacts with IRF3 and inhibits IRF3 recruitment to type I IFN promoter sequences while also reducing nuclear levels of the coactivators EP300 and CREBBP (PubMed:29802199).

Subcellular Localization: Cytoplasm . 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.