

Recombinant Human IL26 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50517

Size: 10ug, 100ug

Protein Name: Interleukin-26 (IL-26) (Protein AK155)

Synonym: IL26, AK155

UniProt ID: Q9NPH9

UniProt Link: www.uniprot.org/uniprotkb/Q9NPH9/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 171 AA

Molecular Weight: 20 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MLVNFILRCGLLLVTLSLAIAKHKQSSFTKSCYPRGTLTSLQAVDALYIKAAWLKATIPEDRIKNIRLLKKKT
KKQFMKNCQFQEQLLSFFMEDVFGQLQLQGCKKIRFVEDFHSLRQKLSHCISCASSAREMKSITRM
KRIFYRIGNKGIYKAISELDILLSWIKKLLESSQ

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 Interleukin-26 (IL-26) (Protein AK155) 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 local mechanisms of mucosal immunity and seems to have a pro-inflammatory function. May play a role in inflammatory bowel disease. Activates STAT1 and STAT3, MAPK1/3 (ERK1/2), JUN and AKT. Induces expression of SOCS3, TNF and IL-8, secretion of IL-8 and IL-10 and surface expression of ICAM1. Decreases proliferation of intestinal epithelial cells. Is inhibited by 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.