

Recombinant Human BTNL8 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50092

Size: 10ug, 100ug

Protein Name: Butyrophilin-like protein 8

Synonym: BTNL8, UNQ702/PRO1347

UniProt ID: Q6UX41

UniProt Link: www.uniprot.org/uniprotkb/Q6UX41/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 500 AA

Molecular Weight: 57 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MALMLSLVLSLLKLGSGQWQVFGPDKPVQALVGEDAAFSCFLSPKTNAEAMEVRFFRGQFSSVVHL
YRDGKDQPFMQMPQYQGR TKLVKDSIAEGRISLRLENITVLDAGLYGCRISQSYQKAIWELQVSA
LGSVPLISITGYVDRDIQLLCQSSGWFP RPTAKWKGPQGQDLSTDSRTNRDMHGLFDVEISLTVQEN
AGSISCSMRHAHLSREVESRVQIGDTFFEPISWHLATKVLGILCCGLFFGIVGLKIFFSKFQWKIQ AEL
DWRRKHGQAELRDARKHAVEVTLD PETAHPKLCVSDLKTVTHR KAPQEVPHSEKRFTRKSVVASQ
SFQAGKH YWEVDGGHNKRWRVGVC RDDVD RKEYVTLS PDHGYWVLR LN GEHL YFTLNPRFISVF
PRT PPTKIGVFLDYECGTISFFNINDQSLIYTLTCRFEGLLRPYIEYPSYNEQNGTPIVICPVTQESEKE
ASWQRASAIPETSNSESSSQATT PFLPRGEM

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 Butyrophilin-like protein 8 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 stimulate primary immune response. Acts on T-cell stimulated sub-optimally through the TCR/CD3 complex stimulating their proliferation and cytokine production.

Subcellular Localization: Membrane ; Single-pass type I membrane protein .

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.