

# Recombinant Mouse BTNL1 Protein

**For Research Use Only**

## 1. Basic Product Information

Catalog No.: REP52069

Size: 10ug, 100ug

Protein Name: Butyrophilin-like protein 1

Synonym: Btnl1, Btnl3, Gm316, Ng10

UniProt ID: Q7TST0

UniProt Link: [www.uniprot.org/uniprotkb/Q7TST0/entry](http://www.uniprot.org/uniprotkb/Q7TST0/entry)

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 509 AA

Molecular Weight: 58 KD

Protein Tag: C-terminal His6

## 2. Amino Acid Sequence

MMKGSPSVPPAGCLLPLLLLLFTGVSGEVSWFVSVKGPAEPITVLLGTEATLPCQLSPEQSAARMHIR  
WYRAQPTPAVLVFHNGQEQQGEVQMPEYRGRTQMVRQAIDMGVALQIQVQASDDGLYHCQFTD  
GFTSQEVSMELRVIGLGSAPLVHMTGPENDGIRVLCSSSGWFPPKPKVQWRDTSGNMLLSSELQT  
QDREGLFQVEVSLVTDRAIGNVICSQNPMYDQEKSKAILLPEPFFPKTCPWKVALVCSVLILLVLLG  
GISLGIWKEHQVKRREIKKWSKEHEEMLLKKGTKSVLKIRDDLQADLDRRKALYKEDWKKALLYPD  
WRKELFQEAPVRINYEMPDQDKTDSRTEENRGEETVSSSQVDHNLITLSQEGFMLGRYYWEVDVK  
DTEEWTLGVYELCTQDASLTDPLRKFRVLEKNGDGYRALDFCSQNINSEEPLQLKTRPLKIAIFLDQE  
DNDLSFYNMDETETHIFSFAQVPFLGSPYPYFTRNSMGLSATAQP

## 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 1 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: N/A

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.