

Recombinant Mouse BT2A2 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51109

Size: 10ug, 100ug

Protein Name: Butyrophilin subfamily 2 member A2

Synonym: Btn2a2

UniProt ID: A4QPC6

UniProt Link: www.uniprot.org/uniprotkb/A4QPC6/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 514 AA

Molecular Weight: 58 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MEPTTSLRSCPIASLLFFLVLSLFLVLSAQFTVIGPAEPILAMVGENTTLHCHLSPERNAEEMEVRWF
RWRFFPAVLVYRGHQERPEEQMVAYRGRRTTFMRTDISKGRVALIIHNVTAYDNGIYCCYFQEGRSY
DQATMKLMVASLGSEPLIKMKTLEDGSILLECTSEGWYPEPRAVWRDPYDEVVPALEEEYTADREG
LFTVTMTIIIRDCSVNMTCSVNNTLLSQEVESVILIPESFVPSLPLWMVAVAVTLPVVMLILLTSGSICL
VKKHRRKKSILSAEKEAEYEEKEAARQLQEELRWRRTLLHAADVLDPDTAHPELFLSDDQRSVIRG
SSRQSVPDNPERFDCRPCVLGRESFSSGKHYWEVEVENVMVWAIGVCRDSVERKGEALLVPQNG
FWTLEMFGSQYRALSSPEKIIPLKERLHRIAVFLDCEGGDISFYNMRRDRSHIYTCPPVTFTGPLRPFFR
LGSDDSPLFICPAFTGAQGVTIPEGGLFLYKTRPISQSLVRKP

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 subfamily 2 member A2 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: Inhibits the proliferation of CD4 and CD8 T-cells activated by anti-CD3 antibodies, T-cell metabolism and IL2 and IFNG secretion.

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.