

Recombinant Mouse LIRB3 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51522

Size: 10ug, 100ug

Protein Name: Paired immunoglobulin-like receptor B (PIR-B) (Cell-surface glycoprotein p91) (Leukocyte immunoglobulin-like receptor subfamily B member 3) (LIR-3) (Leukocyte immunoglobulin-like receptor 3)

Synonym: Pirb, Lirb3

UniProt ID: P97484

UniProt Link: www.uniprot.org/uniprotkb/P97484/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 841 AA

Molecular Weight: 93 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MSCTFTALLRLGLTSLWIPVLTGSLPKPILRVQPDSVSRRTKVTF LCEETIGANEYRLYKDGKLYKT
VTKNKQKPENKA EFSFSNVDLSNAGQYRCSYSTQYKSSGYSDLLELVVTGHYWTPSLLAQASPVVT
SGGYVTLQCESWHNDHKFILTVEGPQKLSWTQDSQYNYSTRKYHALFSVGPVTPNQRWICRCYSY
DRNRPYVWSPPESEVELLVSGNLQKPTIKAEPG SVITSKRAMTIWCQGNLDAEVYFLHNEKSQKTQS
TQTLQEPGNKGKFFIPSVTLQHAGQYRCYCYGSAGWSQPSDTLELVVTGIYEYEPRLSVLPSPVVT
AGGNMTLHCASDFPYDKFILT KEDKKFGNSLDTEHSSSGQYRALFIIGPTTPTHTGAFRCYGYYKNA
PQLWSVPSALQQILISGLSKKPSLLTHQGHILDPGMTLTLQCFSDINYDRFALHKVGGADIMQHSSQQ
TDTGFSVANFTLGYVSSSTGGQYRCYGAHNLSSEWSASSEPLDILITGQLPLTPSLSVQPNHTVHSG
ETVSLLCWSMDSVDTFILSKEGSAQQPLRLKSKSHDQQSQAEFSMSAVTSHLSGTYRCYGAQDSSF
YLLSSASAPVELTVSGPIETSTPPPTMSMPLGGLHMYLKALIGVSVAFILFLFIFILLRRRHRGKFRKD
VQKEKDLQLSSGAEEPITRK GELQKRPNPAAATQEE SLYASVEDMQTEDGVELNSWTPPEEDPQG
ETYAQVKPSRLRKAGHVSPSVMSREQLNTEYEQAEEGQGANNQA AESGESQDVTYAQLCSRTL RQ
GAAASPLSQAGEAPEEPSVYATLAAARPEAVPKDMEQ

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 Paired immunoglobulin-like receptor B (PIR-B) (Cell-surface glycoprotein p91) (Leukocyte immunoglobulin-like receptor subfamily B member 3) (LIR-3) (Leukocyte immunoglobulin-like receptor 3) 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 act as receptor for class I MHC antigens. Becomes activated upon coligation of PIRB and immune receptors, such as FCGR2B and the B-cell receptor. Down-regulates antigen-induced B-cell activation by recruiting phosphatases to its immunoreceptor tyrosine-based inhibitor motifs (ITIM).

Subcellular Localization: Cell 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.