

Recombinant Mouse IL3B2 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51350

Size: 10ug, 100ug

Protein Name: Interleukin-3 receptor class 2 subunit beta (IL-3 receptor class 2 subunit beta) (IL-3R class 2 subunit beta) (Colony-stimulating factor 2 receptor subunit beta-2) (Interleukin-3 receptor class II beta chain)

Synonym: Csf2rb2, Ai2ca, Il3r, Il3rb2

UniProt ID: P26954

UniProt Link: www.uniprot.org/uniprotkb/P26954/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 878 AA

Molecular Weight: 97 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MDQQMALTWGLCYMALVALCWGHEVTEEEETVPLKTLCEYNDYTNRIICSWADTEDAQGLINMTLL
YHQLDKIQSVSCELSKLMWSECPSSHRCVPRRCVIPYTRFSNGDNDYYSFQPDRDLGIQLMVPLA
QHVVQPPPKDIHISPSGDHFLLEWSVSLGDSQVSWLSSKDIEFEVAYKRLQDSWEDASSLHTSNFQ
VNLEPKLFLPNSIYAARVTRLASAGSSLSGRPSRWSPEVHWDSQPGDKAQPNLQCFDGIQSLHC
SWEVWTQTTGSVSFGLFYRPSAAPEEKCSVVKEPQASVYTRYRCSLPVPEPSAHSQYTVSVKHL
EQGKFIMSYYHIQMEPPILNQTKNRDSYSLHWETQKIPKYIDHTFQVQYKKKSESWKDSKTENLGRV
NSMDLPQLEPDTSYCARVRVKPISDYDGIWSEWSNEYTWTTDWVMPTLWIVLILVFLIFTLLLALHFG
RVYGYRTRYRKWKEKIPNPSKSLLFQDGGKGLWPPGSMMAAFATKNPALQGPQSRLLAEQQGVSYEH
LEDNNVSPLTIEDPNIIRDPPSRPDTPAASSESTEQLPNVQVEGPISSRPRKQLPSFDFNGPYLGP
PQSHSLPDLPGQLGSPQVGGSLKPALPGSLEYMCLPPGGQVQLVPLSQVMGQQGQAMDVQCGSSL
ETTGPSVPEPKENPPVELSVEKQEARDNPMTLPISSGGPEGSMASDYVTPGDPVLTLP TGPLSTS
LGPSLGLPSAQSPSLCLKLPRVPSGSPALGPPGFEDYVELPPSVSQAATSPPGHPAPPVASSPTVIP
GEPREEVGPASPHPEGLLVLQQVGDYCFPLGPGSLSPHSPSKPPSPSLCSETEDLDQDLSVKKFPY
QPLPQAPAIQFFKSLKY

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-3 receptor class 2 subunit beta (IL-3 receptor class 2 subunit beta) (IL-3R class 2 subunit beta) (Colony-stimulating factor 2 receptor subunit beta-2) (Interleukin-3 receptor class II beta chain) 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: In mouse, there are two classes of high-affinity IL3 receptors. One contains this IL3-specific beta subunit and the other contains the beta subunit also shared by high-affinity IL5 and GM-CSF receptors.

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.