

# Recombinant Mouse IL3RB Protein

**For Research Use Only**

## 1. Basic Product Information

Catalog No.: REP51351

Size: 10ug, 100ug

Protein Name: Cytokine receptor common subunit beta (GM-CSF/IL-3/IL-5 receptor common beta subunit) (CD antigen CD131)

Synonym: Csf2rb, Aic2b, Csf2rb1, Il3rb1

UniProt ID: P26955

UniProt Link: [www.uniprot.org/uniprotkb/P26955/entry](http://www.uniprot.org/uniprotkb/P26955/entry)

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 896 AA

Molecular Weight: 99 KD

Protein Tag: C-terminal His6

## 2. Amino Acid Sequence

MDQQMALTWGLCYMALVALCWGHGVTEAEETVPLKTLQCYNDYTNHIICSWADTEDAQGLINMTLY  
HQLEKKQPVSCELSEELMWSECPSSHRCVPRRCVIPYTRFSITNEDYYSFRRPDSDLGIQLMVPLAQN  
VQPPLPKNVSISSEDRFLEWSVSLGDAQVSWLSSKDIEFEVAYKRLQDSWEDAYSLHTSKFQVNF  
EPKFLPNSIYAARVTRLSPGSSLSGRPSRWSPEVHWDSQPGDKAQPQNLQCFDGIQSLHCSW  
EVWTQTTGSVSFGLFYRPSVAPEEKCSPPVKEPPGASVYTRYHCSLPVPEPSAHSQYTVSVKHLE  
QGKFIMSYNHIQMEPPTLNLTKNRDSYSLHWETQKMAYSFIEHTFQVQYKKKSDSWEDSKTENLDR  
AHSMDSLQLEPDTSYCARVRVKPISNYDGIWSKWSEETWKTDWVMPTLWIVLILVFLILTLLLILRFG  
CVSVYRTYRKWKKEIPNPSKSLLFQDGGKGLWPPGSMMAFATKNPALQGPQSRLLAEQQGESYAH  
LEDNNVSPLTIEDPNIRVPPSGPDTTPAASSESTEQLPNVQVEGPTPNRPRKQLPSDFDNGPYLGPP  
QSHSLPDLPDQLGSPQVGGSLKPALPGSLEYMCLPPGGQAQLVPLSQVMGQQGQAMDVQCGSSLE  
TSGSPSVEPKENPPVELSMEEQEARDNPVTLPISSGGPEGSMASDYVTPGDPVLTLPSTSL  
GPSLGLPSAQSPSLCLKLPRVPSGSPALGPPGFEDYVELPPSVSQAASPPGHPAPPVASSPTVIPG  
EPREEVGPASPHPEGLLVLQQVGDYCFPLGPGSLSPHSKPPSPSLCSETEDLVQDLSVKKFPYQ  
PMPQAPAIQFFKSLKHQDYLSLPPWDNSQSGKVC

## 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 Cytokine receptor common subunit beta (GM-CSF/IL-3/IL-5 receptor common beta subunit) (CD antigen CD131) 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: High affinity receptor for interleukin-3, interleukin-5 and granulocyte-macrophage colony-stimulating factor.

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.