

Recombinant Mouse IL2RG Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51389

Size: 10ug, 100ug

Protein Name: Cytokine receptor common subunit gamma (Interleukin-2 receptor subunit gamma) (IL-2 receptor subunit gamma) (IL-2R subunit gamma) (IL-2RG) (gammaC) (p64) (CD antigen CD132)

Synonym: Il2rg

UniProt ID: P34902

UniProt Link: www.uniprot.org/uniprotkb/P34902/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 369 AA

Molecular Weight: 42 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MLKLLSPRSFLVLQLLLLRAGWSSKVLMSANEDIKADLILTSTAPEHLSAPTLPLPEVQCFFVFNIEY
MNCTWNSSSEPQATNLTLYRYKVSDNNTFQECSHYLFSEITSGCQIQKEDIQLYQTFVVQLQDPQ
KPQRRVAVQKLNQNLVIPRAPENLTLSNLSQSLELRWKSRIKERCLQYLVQYRSNRDRSWTELIV
NHEPRFSLPSVDELKRYTFRVRSRYNPICGSSQQWSKWSQPVHWGSHTVEENPSLFALEAVLIPVG
TMGLIITLIFVYCWLERMPPIPIKNLEDLVTEYQGNFSAWSGVSKGLTESLQPDYSERFCHVSEIPPK
GGALGEGPGGSPCSLHSPYWPPPCYSLKPEA

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 gamma (Interleukin-2 receptor subunit gamma) (IL-2 receptor subunit gamma) (IL-2R subunit gamma) (IL-2RG) (gammaC) (p64) (CD antigen CD132) 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: Common subunit for the receptors for a variety of interleukins (PubMed:7718508). Probably in association with IL15RA, involved in the stimulation of neutrophil phagocytosis by IL15 (By similarity).

Subcellular Localization: Cell membrane ; Single-pass type I membrane protein . Cell surface .

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.