

Recombinant Human IL2RB Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50521

Size: 10ug, 100ug

Protein Name: Interleukin-2 receptor subunit beta (IL-2 receptor subunit beta) (IL-2R subunit beta) (IL-2RB) (High affinity IL-2 receptor subunit beta) (Interleukin-15 receptor subunit beta) (p70-75) (p75) (CD antigen CD122)

Synonym: IL2RB, IL15RB

UniProt ID: P14784

UniProt Link: www.uniprot.org/uniprotkb/P14784/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 551 AA

Molecular Weight: 61 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MAAPALSWRLPLLILLPLATSWASAAVNGTSQFTCFYNSRANISCVWSQDGALQDTSCQVHAWPD
RRRWNQTCCELLPVSQASWACNLILGAPDSQKLTTVDIVTLRVLCREGVRWRVMAIQDFKPFENLRL
MAPISLQVVHVETHRCNISWEISQASHYFERHLEFEARTLSPGHTWEEAPLLTLKQKQEWICLETLP
DTQYEFQVRVKPLQGEFTTWSPWSQPLAFRTKPAALGKDTIPWLGHLLVGLSGAFGFIILVYLLINCR
NTGPWLKKVLKCNTPDPSKFFSQLSSEHGGDVQKWLSSFPSPSSSFSPGGLAPEISPLEVLERDKVT
QLLLQQDKVPEPASLSSNHSLSCTFNQGYFFHLPDALEIEACQVYFTYDPYSEEDPDEGVAGAPT
GSSPQPLQPLSGEDDAYCTFSPSRDLLLLFSPSLLGGPSPSTAPGGSGAGEERMPPSLQERVPRD
WDPQPLGPPTPGVPDLVDFQPPPELVLRAGEEVPDAGPREGVSFPWSRPPGQGEFRALNARLPL
NTDAYLSLQELQGQDPTHLV

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-2 receptor subunit beta (IL-2 receptor subunit beta) (IL-2R subunit beta) (IL-2RB) (High affinity IL-2 receptor subunit beta) (Interleukin-15 receptor subunit beta) (p70-75) (p75) (CD antigen CD122) 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: Receptor for interleukin-2. This beta subunit is involved in receptor mediated endocytosis and transduces the mitogenic signals of IL2. Probably in association with IL15RA, involved in the stimulation of neutrophil phagocytosis by IL15 (PubMed:15123770, PubMed:31040185).

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.