

Recombinant Human IL2RB & IL2RG protein(Met1-Asp239 & Met1-Asn254), His-tagged

Cat. No. IL2RB & IL2RG-1235H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL2RB (P14784-1)(Met1-Asp239) was expressed with a polyhistidine tag at the C-terminus, constructed the plasmid 1; Recombinant Human IL2RG (P31785-1) (Met1-Asn254) was expressed with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the IL2RB & IL2RG heterodimer was purified and expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Asp239 & Met1-Asn254
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant heterodimer of Human IL2RB & IL2RG comprises 467 (224+243) amino acids and has a calculated molecular mass of 54.87 (26.04+28.83) KDa. The apparent molecular mass of Human IL2RB & IL2RG heterodimer is approximately 49.63 KDa respectively in SDS-PAGE.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE. > 90 % as determined by SEC-HPLC.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name IL2RB interleukin 2 receptor, beta [Homo sapiens]

Official Symbol IL2RB; IL2RG

Synonyms IL2RB; interleukin 2 receptor, beta; IL15RB, interleukin 15 receptor, beta; interleukin-2 receptor subunit beta; CD122; p75; IL-2RB; CD122 antigen; IL-2R subunit beta; IL-2 receptor subunit beta; interleukin 15 receptor, beta; high affinity IL-2 receptor beta subunit; high affinity IL-2 receptor subunit beta; IL15RB; P70-75;

Gene ID 3560

mRNA Refseq NM_000878

Protein Refseq NP_000869

MIM 146710

UniProt ID P14784

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA