

Recombinant Full Length Human IL2RB Protein

Cat. No. IL2RB-5757HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IL2RB full-length ORF (NP_000869.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	963 amino acids
Description	The interleukin 2 receptor, which is involved in T cell-mediated immune responses, is present in 3 forms with respect to ability to bind interleukin 2. The low affinity form is a monomer of the alpha subunit and is not involved in signal transduction. The intermediate affinity form consists of an alpha/beta subunit heterodimer, while the high affinity form consists of an alpha/beta/gamma subunit heterotrimer. Both the intermediate and high affinity forms of the receptor are involved in receptor-mediated endocytosis and transduction of mitogenic signals from interleukin 2. The protein encoded by this gene represents the beta subunit and is a type I membrane protein. [provided by RefSeq]
Form	Liquid
Molecular Mass	61.1 kDa
AA Sequence	MAAPALSWRLPLLILLPLATSWASAAVNGTSQFTCFYNSRANISCVWSQDGALQDT SCQVHAWPDRRRWNQTCELLPVSQASWACNLILGAPDSQKLTTVDIVTLRVLCREG VRWRVMAIQDFKPFENLRLMAPISLQVVHVETHRCNISWEISQASHYFERHLEFEAR

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TLSPGHTWEEAPLLTLKQKQEWICLETLPDTQYEFQVRVKPLQGEFTTWSPWSQP
 LAFRTKPAALGKDTIPWLGHLLVGLSGAFGFILVYLLINCRNTGPWLKKVLKCNTPDP
 SKFFSQLSSEHGGDVQKWLSSFPSSSFSPGGLAPEISPLEVLERDKVTQLLLQQDK
 VPEPASLSSNHSALTSCFTNQGYFFFHLPDALEIEACQVYFTYDPYSEEDPDEGVAGA
 PTGSSPQPLQPLSGEDDAYCTFPSRDDLLLFSPSLLGGPSPPSTAPGGSGAGEERM
 PPSLQERVPRDWDQPPLGPPTPGVPDLVDFQPPPELVREAGEEVPDAGPREGVS
 FPWSRPPGQGEFRALNARLPLNTDAYLSLQELQGQDPHTLV

Applications

Antibody Production
 Functional Study
 Compound Screening

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name

IL2RB interleukin 2 receptor, beta [Homo sapiens]

Official Symbol

IL2RB

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

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mRNA Refseq	NM_000878
Protein Refseq	NP_000869
MIM	146710
UniProt ID	P14784

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