

Recombinant Human IL2RB Protein

Cat. No. IL2RB-5195H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IL2RB full-length ORF (NP_000869.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
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 VRWRVMAIQDFKPFENLRMAPISLQVVHVETHRCNISWEISQASHYFERHLEFEAR TLSPGHTWEEAPLLTLKQKQEWICLETLPDTQYEFQVRVKPLQGEFTTWSPWSQP LAFRTKPAALGKDTIPWLGHLLVGLSGAFGFILVYLLINCRNTGPWLKKVLKCNTDPDP

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SKFFSQLSSEHGGDVQKWLSSFPSSSFSPGGLAPEISPLEVLERDKVTQLLLQQDK
VPEPASLSSNHSALTSCFTNQGYFFHLPDALEIEACQVYFTYDPYSEEDPDEGVAGA
PTGSSPQPLQPLSGEDDAYCTFSPSRDLLLLFSPSLLGGPSPSTAPGGSGAGEERM
PPSLQERVPRDWDQPQLGPPTPGVPDLVDFQPPPELVREAGEEVPDAGPREGVS
FPWSRPPGQGEFRALNARLPLNTDAYLSLQELQGQDPHTLV

Applications

Antibody Production
Functional Study
Compound Screening

Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

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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