

Product Information

MemDX™ Membrane Protein Human IL2RB (Interleukin 2 receptor subunit beta) Full Length

Cat. No.: **MPC1990K**

This product is for research use only and is not intended for diagnostic use.

This product is a 61.1 kDa Human IL2RB membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

IL2RB

Protein Length

Full length

Protein Class

Receptor

Molecular Weight

61.1 kDa

TMD

1

Sequence

MAAPALSWRLPLLILLPLATSWASAAVNGTSQFTCFYNSRANISCVWSQ
DQALQDTSCQVHAWPDRRRWNTCELLPVSQASWACNLILGAPDSQKLTT
VDIVTLRVLCREGVRWRVMAIQDFKPFENLRMAPISLQVVHVETHRCNI
SWEISQASHYFERHLEFEARTLSPGHTWEEAPLLTLKQKQEWICLETLP
DTQYEFQVRVKPLQGEFTTWSPWSQPLAFRTKPAALGKDTIPWLGHLLVG
LSGAFGFILVYLLINCRNTGPWLKKVLKCNTDPDSKFFSLSSEHGGDV
QKWLSSPFPSSSFSPGGLAPEISPLEVLERDKVTQLLLQQDKVPEPASLS
SNHSLTSCFTNQGYFFFHLPDALEIEACQVYFTYDPYSEEDPDEGVAGAP
TGSSPQLQLPSGEDDAYCTFSPSRDDLLFSPSLLGGSPSPSTAPGGSGA
GEERMPPSLQERVPRDWDQPPLGPPTPGVPDLVDFQPPPELVLRAGEEV
PDAGPREGVSFPWSRPPGQGEFRALNARLPLNTDAYLSLQELQGQDPTHL
V

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

IL2RB

Full Name

Interleukin 2 receptor subunit beta

Introduction

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. The use of alternative promoters results in multiple transcript variants encoding the same protein. The protein is primarily expressed in the hematopoietic system. The use by some variants of an alternate promoter in an upstream long terminal repeat (LTR) results in placenta-specific expression.

Alternative Names

IL2RB; CD122; IMD63; IL15RB; P70-75; interleukin-2 receptor subunit beta; CD122 antigen; IL-2 receptor subunit beta; IL-2R subunit beta; IL-2RB; high affinity IL-2 receptor beta subunit; high affinity IL-2 receptor subunit beta; interleukin 15 receptor, beta; interleukin 2 receptor, beta; interleukin-15 receptor subunit beta; p75; Interleukin 2 receptor subunit beta

Gene ID

[3560](#)

UniProt ID

[P14784](#)