Recombinant human IL-2R beta/IL2RB protein

Catalog Number: ATGP3822

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
27-240aa

UniProt No.
P14784

NCBI Accession No.
NP_000869.1

Alternative Names
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, CD122, IL15RB, Interleukin 15 receptor beta

PRODUCT SPECIFICATION

Molecular Weight
25.5 kDa (220aa)

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
IL2RB, also known as interleukin 2 receptor subunit beta, is a member of the cytokine receptor superfamily. This protein, which is involved in T cell-mediated immune responses, is present in three forms with respect to ability

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to bind interleukin 2. It denoted IL2RA, IL2RB, and the common cytokine receptor gamma chain, which is shared by the receptors for IL-2, IL-4, IL-7, IL-9, and IL-15. The low affinity form is a monomer of the alpha subunit (also called CD25) and is not involved in signal transduction. The intermediate affinity form consists of a gamma/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. Recombinant human IL2RB, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

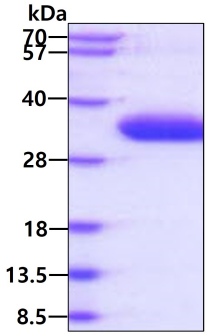
AVNGTSQFTC FYNSRANISC VWSQDGALQD TSCQVHAWPD RRRWNQTCEL LPVSQASWAC NLILGAPDSQ KLTTVDIVTL RVLCREGVRW RVMAIQDFKP FENLRLMAPI SLQVVHVETH RCNISWEISQ ASHYFERHLE FEARTLSPGH TWEEAPLLTL KQKQEWICLE TLTPDTQYEF QVRVKPLQGE FTTWSPWSQP LAFRTKPAAL GKDT<HHHHHH>

General References

Jounaidi Y., et al, (2017) Cancer Res. 77:5938-5951.
Purvis SF., et al, (1992) Cell. Immunol. 144:32-42.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.