

Recombinant human IL-2R alpha/IL2RA protein

Catalog Number: ATGP3616

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

22-240aa

UniProt No.

P01589

NCBI Accession No.

NP_000408

Alternative Names

Interleukin 2 receptor subunit alpha, Insulin-dependent diabetes mellitus 10, Interleukin 2 receptor alpha, IL2R, IDDM10, CD25, IL-2-RA, IL-2R subunit alpha, IL2-RA, TAC antigen, p55

PRODUCT SPECIFICATION

Molecular Weight

52.1 kDa (461aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

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

Purity

> 90% by SDS-PAGE

Endotoxin level

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

Tag

hIgG-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

IL2RA, also known as interleukin-2 receptor subunit alpha isoform 1, is a type 1 transmembrane glycoprotein. This protein is expressed in most B-cell neoplasms, some acute nonlymphocytic leukemias, neuroblastomas, mastocytosis and tumor infiltrating lymphocytes. It functions as the receptor for HTLV-1 and is consequently

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expressed on neoplastic cells in adult T cell lymphoma/leukemia. Also, it is elevated in proliferative disturbances of the hematopoietic system and in many solid tumors. Recombinant human IL2RA, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

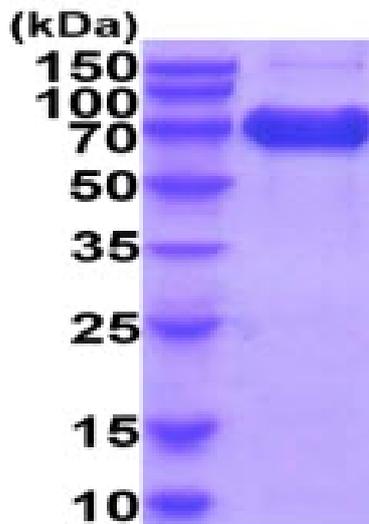
ADPELCDDDP PEIPHATFKA MAYKEGTMLN CECKRGFRRI KGSGLYMLCT GNSSHSSWDN QCQCTSSATR NTKQVTPQP
EEQKERKTTE MQSPMQPVDQ ASLPGHCREP PPWENEATER IYHFVVGQMV YYQCVQGYRA LHRGPAESVC
KMTHGKTRWT QPQLICTGEM ETSQFPGEEK PQASPEGRPE SETSCLVTTT DFQIQTEMAA TMETSIFTTE YQLEPKSCDK
THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV
VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLPSRDELTKNQ VSLTCLVKGF YPSDIAVEWE
SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCVMHEAL HNHYTQKSLS LSPGKHHHHH H

General References

Kuziel WA., et al, (1990) J. Invest. Dermatol. 94:275-325.
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.

15% SDS-PAGE (3ug)