

Recombinant human CD5 protein

Catalog Number: ATGP3534

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

25-372aa

UniProt No.

P06127

NCBI Accession No.

NP_055022

Alternative Names

T-cell surface glycoprotein CD5, CD5, LEU1, T1

PRODUCT SPECIFICATION

Molecular Weight

40kDa (359aa)

Concentration

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

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

CD5, as known as T-cell surface glycoprotein CD5, is a transmembrane glycoprotein in the scavenger receptor superfamily. This protein was found expressed in small lymphocytic lymphoma, hairy cell leukemia and mantle cell lymphoma cells. CD5 expression on developing thymocytes is positively regulated by signaling through the T cell antigen receptor and is up-regulated peripheral CD4+ cell. Also, its Signaling inhibits the generation of

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regulatory T cells but promotes the development of Th17 cells. Recombinant human CD5, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPEFRLSWY DPDFQARLTR SNSKCQGQLE VYLKDGWHMV CSQSWGRSSK QWEDPSQASK VCQRLNCGVP
LSLGPFLVTY TPQSSIICYG QLGSFSNCSH SRNDMCHSLG LTCLEPQKTT PPTTRPPPTT TPEPTAPPRL QLVAQSGGQH
CAGVVEFYSG SLGGTISYEA QDKTQDLENF LCNNLQCGSF LKHLPETEAG RAQDPGEPRE HQPLPIQWKI QNSSCTSLEH
CFRKIKPQKS GRVLALLCSG FQPKVQSRLV GGSSICEGTV EVRQGAQWAA LCDSSSARSS LRWEEVCREQ QCGSVNSYRV
LDAGDPTSRG LFCPHQKLSQ CHELWERNYS CKKVFVTCQD PNPHHHHHH

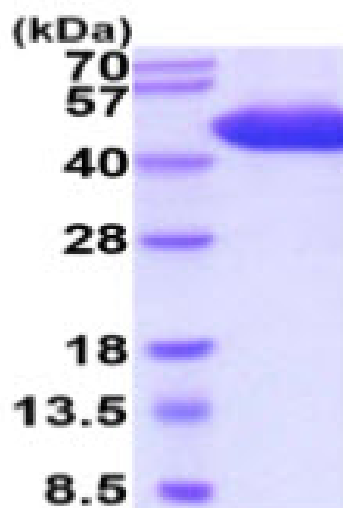
General References

Cenit MC., et al, (2014) PLoS ONE 9:E113090.

Alinari L., et al, (2016) Am. J. Hematol. 91:395-399.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)