

Recombinant human CD19 protein

Catalog Number: ATGP3816

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

21-291aa

UniProt No.

P15391

NCBI Accession No.

NP_001171569.1

Alternative Names

B-lymphocyte antigen CD19 isoform 1, CD19, B4, CVID3

PRODUCT SPECIFICATION

Molecular Weight

57 kDa (510aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

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

Purity

> 85% 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

CD19, also known as B-lymphocyte antigen CD19 isoform 1, is a member of the Ig superfamily expressed on the surface of all B-lymphoid cells with the exception of terminally differentiated plasma cells. It has been implicated as a signal-transducing receptor in the control of proliferation and differentiation. It acts as an adaptor protein to recruit cytoplasmic signaling proteins to the membrane and it works within the CD19/CD21 complex to decrease

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the threshold for B cell receptor signaling pathways. Due to its presence on all B cells, it is a biomarker for B lymphocyte development, lymphoma diagnosis and can be utilized as a target for leukemia immunotherapies. Recombinant human CD19, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

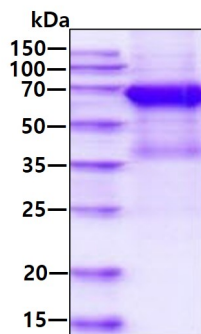
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PPSEKAWQPG WTVNVEGSGE LFRWNVSDLG GLGCGLKNRS SEGPSSPSGK LMSPKLYVWA KDRPEIWEGE PPCLPPRDSL  
NQSLSQDLTM APGSTLWLSG GVPPDSVSRG PLSWTHVHPK GPKSLLSLEL KDDRPARDMW VMETGLLLPR ATAQDAGKYY  
CHRGNTMSF HLEITARPVL WHWLLRTGGW K<LEPKSCDKT HTCPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV  
VDVSHEDPEV KFNWYVDGVE VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE KTISKAKGQP  
REPQVYTLPP SRDELTKNQV SLTCLVKGFY PSDIAVEWES NGQPENNYKT TPPVLDSGDS FFLYSKLTVD KSRWQQGNVF  
SCSVMHEALH NHYTQKSLSL SPGKHHHHHH>
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General References

Bradbury LE., et al. (1992) J Immunol. 149:2841-2850.
Kozmik Z., et al. (1992) Mol Cell Biol. 12:2662-2672.

DATA

SDS-PAGE



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