

Recombinant human CD4 protein

Catalog Number: ATGP3020

PRODUCT INFORMATION

Expression system

E.coli

Domain

26-396aa

UniProt No.

P01730

NCBI Accession No.

NP_000607

Alternative Names

T-cell surface glycoprotein CD4 isoform 1, T-cell surface glycoprotein CD4 isoform 1, CD4mut

PRODUCT SPECIFICATION

Molecular Weight

44 kDa (396aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

CD4 also known as T-cell surface glycoprotein CD4. CD4 functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system. Recombinant human CD4, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHMKKVVL GKKGDTVLT CTASQKKSIIQ FHWKNSNQIK ILGNQGSFLT KGPSKLNDRA

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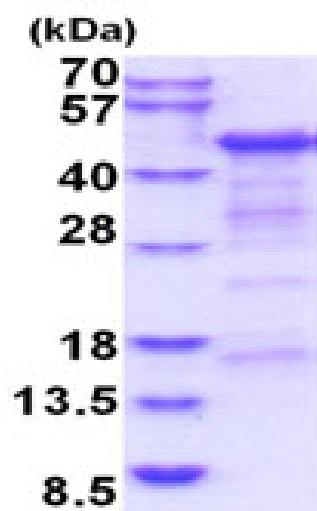
DSRRSLWDQG NFPLIKNLK IEDSDTYICE VEDQKEEVQL LVFGLTANS D THLLQGQSLT LTLESPPGSS PSVQCRSPRG
KNIQGGKTL S VSQLELQDSG TWTCTVLQNQ KKVEFKIDIV VLAFAQKASSI VYKKEGEQVE FSFPLAFTVE KLTGSGELWW
QAERASSSKS WITFDLKNKE VSVKRVTDQP KLQMGKKLPL HLTLPQALPQ YAGSGNLT LA LEAKTGKLHQ EVNLVVMRAT
QLQKNLTCEV WGPTSPKLML SLKLENKEAK VSKREKAVWV LNPEAGMWQC LLSDSGQVLL ESNIKVLPTW STPVQP

General References

Petris G., et al. (2014) J. Biol. Chem. 289 (1), 1-12
Cha Z., et al. (2013) Tumour Biol. 34 (6), 3579-3585

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)