

# 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 SGLVPRGSH MGSHMKKVVL GKKGDTVELT CTASQKKSIIQ FHWKNSNQIK ILGNQGSFLT KGPSKLNDR

# Recombinant human CD4 protein

Catalog Number: ATGP3020

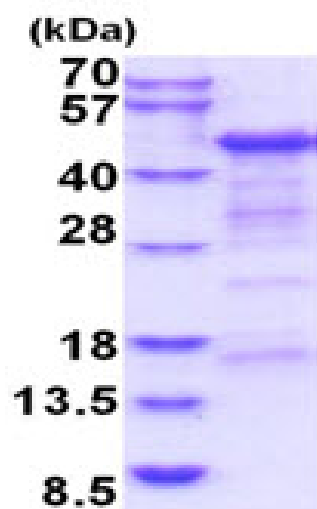
DSRRSLWDQG NFPLIKNLK IEDSDTYICE VEDQKEEVQL LVFGLTANS D THLLQGQSLT LTLESPPGSS PSVQCRSPRG  
KNIQGGKTLS VSQLELQDSG TWTCTVLQNG KKVEFKIDIV VLAFQKASSI VYKKEGEQVE FSFPLAFTVE KLTGSGELWW  
QAERASSSKS WITFDLKNKE VSVKRVTDQP KLQMGKKLPL HLTLPQALPQ YAGSGNLT LA LEAKTGKHLQ EVNLVVMRAT  
QLQKNLTCEV WGPTSPKLML SLKLENKEAK 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)