

## **PRODUCT INFORMATION**

CD4 **Target** 

T4; IMD79; Leu-3; OKT4D; CD4mut **Synonyms** 

Recombinant human CD4 Protein with C-terminal Description

6×His tag

**Delivery** In Stock **Uniprot ID** P01730 **Expression Host HEK293** Tag C-6×His tag

Molecular

Reconstitution

Purity

CD4(Lys26-Pro396) 6×His tag Characterization

The protein has a predicted molecular mass of

42.1 kDa after removal of the signal peptide. The apparent molecular mass of CD4-His is **Molecular Weight** 

approximately 35-55 kDa due to glycosylation.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation &

8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store

Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

This gene encodes the CD4 membrane glycoprotein of T lymphocytes. The CD4 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class II MHC molecules. The CD4 antigen is also a primary receptor for entry of the human

immunodeficiency virus through interactions with the HIV Env gp120 subunit. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, granulocytes, as well as in various regions of the brain. The protein functions **Background** 

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. Multiple alternatively spliced transcript variants encoding different

isoforms have been identified in this gene. [provided by RefSeq, May 2020]

Usage Research use only Conjugate Unconjugated

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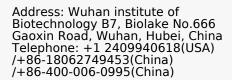








Figure 1. Human CD4 Protein, His Tag on SDS-PAGE under reducing condition.

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