

## Recombinant Human CD4

Cat. No. CD4-27809TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 207-316 of Human CD4 with proprietary tag, 40kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	207-316 a.a.
<b>Description</b>	This gene encodes a membrane glycoprotein of T lymphocytes that interacts with major histocompatibility complex class II antigens and is also a receptor for the human immunodeficiency virus. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, and granulocytes. It is also expressed in specific regions of the brain. The protein 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. Multiple alternatively spliced transcript variants encoding different isoforms have been identified in this gene.
<b>Form</b>	Liquid
<b>Storage buffer</b>	Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5 BSA and Azide free
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

freeze / thaw cycles.

**Sequence Similarities** Contains 3 Ig-like C2-type (immunoglobulin-like) domains.Contains 1 Ig-like V-type (immunoglobulin-like) domain.

## GENE INFORMATION

**Gene Name** [CD4 CD4 molecule \[ Homo sapiens \]](#)

**Official Symbol** [CD4](#)

**Synonyms** CD4; CD4 molecule; CD4 antigen (p55); T-cell surface glycoprotein CD4;

**Gene ID** [920](#)

**mRNA Refseq** [NM\\_000616](#)

**Protein Refseq** [NP\\_000607](#)

**MIM** [186940](#)

**Uniprot ID** [P01730](#)

**Chromosome Location** 12pter-p12

**Pathway** Adaptive Immune System, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Arf1 pathway, organism-specific biosystem; Binding and entry of HIV virion, organism-specific biosystem;

**Function** MHC class II protein binding; coreceptor activity; enzyme binding; extracellular matrix

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structural constituent; glycoprotein binding;

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