

Recombinant Human CD4

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

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 207-316 of Human CD4 with proprietary tag, 40kDa.
Species	Human
Source	E.coli
ProteinLength	207-316 a.a.
Description	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.
Form	Liquid
Storage buffer	Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5 BSA and Azide free
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated

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freeze / thaw cycles.

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