

Recombinant Human CD4

Cat. No. CD4-27808TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 26-226 of Human CD4
Species	Human
Source	E.coli
ProteinLength	26-226 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
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

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 structural constituent; glycoprotein binding;
-----------------	---

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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