

Recombinant Full Length Human CD4 Protein, GST-tagged

Cat. No. CD4-3184HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD4 full-length ORF (AAH25782, 1 a.a. - 458 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	458 amino acids
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. [provided by RefSeq, Aug 2010]
Molecular Mass	76.12 kDa
AA Sequence	MNRGVPPFRHLLLVLQLALLPAATQGKKVVLGKKGDTVELTCTASQKKSIQFHWKNS NQIKILGNQGSFLTKGPSKLNDRADSRRLWDQGNFPLIKNLKIEDSDTYICEVEDQ KEEVQLLVFGLTANS DTHLLQGQSLTLTLESPPGSSPSVQCRSPRGKNIQGGKTL SV SQLELQDSGTWTCTVLQNQKKVEFKIDIVVLA FQKASSIVYKKEGEQVEFSFPLAFTV

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EKLTGSGELWWQAERASSSSKSWITFDLKNKEVSVKRVTQDPKLMGKKLPLHLTLP
 QALPQYAGSGNLTALAEAKTGKLNHVEVNLVVMRATQLQKNLTCEVWGPTSPKLMLS
 LKLENKEAKVSKREKAVWVLNPEAGMWQCLLSDSGQVLLSNIKVLPTWSTPVQPM
 ALIVLGGVAGLLLFIGLGIFFCVRCRHRRRQAERMSQIKRLLSEKKTCCQPHRFQKTC
 SPI

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

Official Symbol [CD4](#)

Synonyms CD4; CD4 molecule; CD4 antigen (p55), T cell surface glycoprotein CD4; T-cell surface glycoprotein CD4; CD4 receptor; CD4 antigen (p55); T-cell surface antigen T4/Leu-3; CD4mut;

Gene ID [920](#)

mRNA Refseq [NM_000616](#)

Protein Refseq [NP_000607](#)

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MIM	186940
UniProt ID	P01730

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