

## Recombinant Human CD4 Protein

**Cat. No.** CD4-0806H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human CD4 full-length ORF (NP_000607.1) recombinant protein without tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<p>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]</p>
<b>Form</b>	Liquid
<b>Molecular Mass</b>	51.1 kDa
<b>AA Sequence</b>	<p>MNRGVPFRHLLLVLQLALLPAATQGKKVVLGKKGDTVELTCTASQKKSIFHWKNS  NQIKILGNQGSFLTKGPSKLNDRADSRRLWDQGNFPLIKNLKIEDSDTYICEVEDQ  KEEVQLLVFGLTANSPTHLLQGQSLTLTLESPPGSSPSVQCRSPRGKNIQGGKTLVS  SQLELQDSGTWTCTVLQNQKKVEFKIDIVVLAFAQKASSIVYKKEGEQVEFSFPLAFTV  EKLTGSGELWWQAERASSSKSWITFDLKNKEVSVKRVTQDPKLMGKKLPLHLTLP</p>

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QALPQYAGSGNLTALALEAKTGKLNHVEVNLVVMRATQLQKNLTCEVWGPTSPKLMLS  
 LKLENKEAKVSKREKAVWVLNPEAGMWQCLLSDSGQVLLLESNIKVLPTWSTPVQPM  
 ALIVLGGVAGLLLLFIGLGIFFCVRCRHRRRQAERMSQIKRLLSEKKTCQCPHRFQKTC  
 SPI

<b>Applications</b>	Antibody Production Functional Study Compound Screening
<b>Usage</b>	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	CD4 CD4 molecule [ Homo sapiens ]
<b>Official Symbol</b>	CD4
<b>Synonyms</b>	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;
<b>Gene ID</b>	920
<b>mRNA Refseq</b>	NM_000616
<b>Protein Refseq</b>	NP_000607

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<b>MIM</b>	186940
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<b>UniProt ID</b>	P01730
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