

# Recombinant Human CD4 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** CD4-2864H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	CD4 MS Standard C13 and N15-labeled recombinant protein (NP_000607) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>This gene encodes the CD4 membrane glycoprotein of T lymphocytes. The CD4 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class II MHC molecules. The CD4 antigen is also a primary receptor for entry of the human immunodeficiency virus through interactions with the HIV Env gp120 subunit. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, granulocytes, as well as in various 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.</p>
<b>Molecular Mass</b>	51.1 kDa
<b>AA Sequence</b>	MNRGVVFRHLLLVLQLALLPAATQGKKVVLGKKGDTVELTCTASQKKSIFHWKNS NQIKILGNQGSFLTKGPSKLNDRADSRSLWDQGNFPLIINKLKIEDSDTYICEVEDQ

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KEEVQLLVFGLTANS DTHLLQGQSLTLTLESPPGSSPSVQCRSPRGKNIQGGKTL SV  
 SQLELQDSGTWTCTVLQNQKKVEFKIDIVVLA FQKASSIVYKKEGEQVEFSFPLAFTV  
 EKLTGSGELWWQAERASSSSKSWITFDLKNKEVSVKRVTQDPKLQMGKKLPLHLTLP  
 QALPQYAGSGNLTALAEAKTGKLVHAEVNLVVMRATQLQKNLTCEVWGPTSPKLM LS  
 LKLENKEAKVSKREKAVVWLNPEAGMWQCLLSDSGQVLLESNIKVLPTWSTPVQPM  
 ALIVLGGVAGLLLFIGLGIFFCVRCRHRRRQAERMSQIKRLLSEKKTCCQPHRFQKTC  
 SPITRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** CD4 CD4 molecule [ Homo sapiens (human) ]

**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

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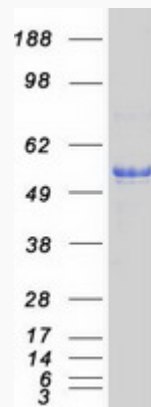
mRNA Refseq [NM\\_000616](#)

Protein Refseq [NP\\_000607](#)

MIM [186940](#)

UniProt ID [P01730](#)

SDS-PAGE



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