

Recombinant Human CD4 Protein, GST-Tagged

Cat. No. CD4-0807H 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	Wheat Germ
Description	<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>
Molecular Mass	76.12 kDa
AA Sequence	<p>MNRGVPFRHLLLVLQLALLPAATQGKKVVLGKKGDTVELTCTASQKKSQFHWKNS NQIKILGNQGSFLTKGPSKLNDRADSRRLWDQGNFPLIINKLIEDSDTYICEVEDQ KEEVQLLVFGLTANS DTHLLQGQSLTLTLESPPGSSPSVQCRSPRGKNIQGGKTL SV SQLELQDSGTWTCTVLQNQKKVEFKIDIVVLA FQKASSIVYKKEGEQVEFSFPLAFTV EKLTGSGELWWQAERASSSKSWITFDLKNKEVSVKRVTQDPKLQMGKKLPLHLTL P</p>

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QALPQYAGSGNLTALAEAKTGKLNHVEVNLVVMRATQLQKNLTCEVWGPTSPKLMLS
 LKLENKEAKVSKREKAVWVLNPEAGMWQCLLSDSGQVLLLESNIKVLPTWSTPVQPM
 ALIVLGGVAGLLLFIGLGIFFCVRCRHRRRQAERMSQIKRLLSEKKTCCPHRFQKTC
 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
MIM	186940

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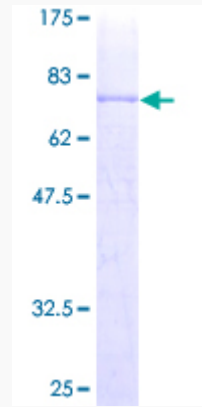
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UniProt ID

P01730

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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