

Active Recombinant Human CD6 Protein, hlgG/His-tagged

Cat. No. CD6-05H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CD6 protein (18-402aa), fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect cells
ProteinLength	18-402 a.a.
Description	This gene encodes a protein found on the outer membrane of T-lymphocytes as well as some other immune cells. The encoded protein contains three scavenger receptor cysteine-rich (SRCR) domains and a binding site for an activated leukocyte cell adhesion molecule. The gene product is important for continuation of T cell activation. This gene may be associated with susceptibility to multiple sclerosis. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Liquid
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. When cells are added to human CD6 coated plates 10 µg/mL. This effect is more to 50 %.
Molecular Mass	68.3 kDa

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AA Sequence

HPSPAPPDQLNTSSAESELWEPGERLPVRLTNGSSSSCSGTVEVRLEASWEPACGA
 LWDSRAAEAVCRALGCGGAEAAASQLAPPTPELPPPPAAGNTSVAANATLAGAPALL
 CSGAEWRLCEVVEHACRSDGRRARVTCAENRALRLVDGGGACAGRVEMLEHGEW
 GSVCDTWDLEDAHVVCRQLGCGWAVQALPGLHFTPGRGPPIHRDQVNCSGAEAY
 LWDCPGLPGQHYCGHKEDAGAVCSEHQSWRLTGGADRCEGQVEVHFRGVWNTV
 CDSEWYPSEAKVLCQSLGCGTAVERPKGLPHLSGRMYSSCNGEELTSLNCSWRF
 NNSNLCSQSLAARVLCASRSRSLHNLSTPEVPASVQTVTIESSVTVKIENKESRELMLL

Endotoxin < 1 EU/μg of protein (determined by LAL method)

Purity 90% by SDS - PAGE

Applications SDS-PAGE, Bioactivity

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/mL

Storage Buffer In Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name CD6 CD6 molecule [Homo sapiens (human)]

Official Symbol CD6

Synonyms CD6; CD6 molecule; TP120; T-cell differentiation antigen CD6; CD6 antigen; T12

Gene ID 923

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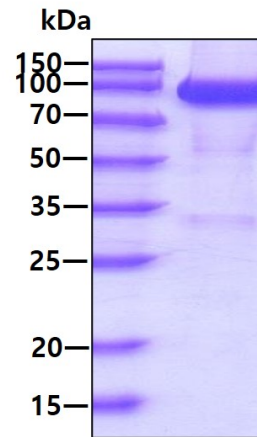
mRNA Refseq [NM_006725](#)

Protein Refseq [NP_006716](#)

MIM [186720](#)

UniProt ID [P30203](#)

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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