

Recombinant Human CD6 Molecule, His-tagged

Cat. No. CD6-4759H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CD6 was fused with a C-terminal 6 His tag and has a calculated MW of 68.2 KDa expressed. Protein migrates as 110 kDa in reduced SDS-PAGE resulting from glycosylation.
Species	Human
Source	HEK293
Description	CD6 (Cluster of Differentiation 6) is a cell surface glycoprotein that is involved in T cell activation and a member of the scavenger receptor cysteine rich protein superfamily (SRCRSF). CD6 is expressed at low levels on immature thymocytes and at high levels on mature thymocytes. CD6 appears to play a role as both a costimulatory molecule in T cell activation and as an adhesion receptor. Studies demonstrating a mitogenic effect for T cells with some CD6 specific monoclonal antibodies, in conjunction with either accessory cells or PMA and antiCD2 mAb, support the concept of CD6 as a co stimulatory molecule.
Form	Bulk protein in a 0.22 µm filtered solution of PBS, pH7.4 and delivered as liquid formulation or lyophilized powder. Normally 5-8% trehalose and mannitol are added as protectants before lyophilization.
Purity	>95% as determined by SDS-PAGE. All lots are greater than 95% pure.
Endotoxin	Less than 1.0 EU per 1 µg of the rhCD6 by the LAL method.

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Storage Store at -80°C upon received. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name CD6 CD6 molecule [Homo sapiens]

Official Symbol CD6

Synonyms CD6; CD6 molecule; TP120; FLJ44171; CD6 antigen; T-cell differentiation antigen
CD6; T12; OTTHUMP00000236965; OTTHUMP00000236967;
OTTHUMP00000236969; OTTHUMP00000236970; OTTHUMP00000236971

Gene ID 923

mRNA Refseq NM_006725

Protein Refseq NP_006716

MIM 186720

UniProt ID P30203

**Chromosome
Location** 11q13

Pathway Cell adhesion molecules (CAMs)

Function scavenger receptor activity

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