

Recombinant Mouse Cd40 protein, His-tagged

Cat. No. Cd40-81M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse CD40, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
Description	CD40, also known as tumor necrosis factor receptor superfamily member, is receptor for TNFSF5/CD40LG. It transduces TRAF6 and MAP3K8 mediated signals that activate ERK in macrophages and B cells, leading to induction of immunoglobulin secretion.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	20.1kDa (180aa)18-28kDa (SDS-PAGE under reducing conditions.)
AA Sequence	LGQCVTCSDK QYLHDGQCCD LCQPGSRLTS HCTALEKTQC HPCDSGEFSA QWNREIRCHQ HRHCEPNQGL RVKKEGTAES DTVCTCKEGQ HCTSKDCEAC AQHTPCIPGF GVMEMATETT DTVCHPCPVG FFSNQSSLFE KCYPWTSCED KNLEVLQKGT SQTNVICGLK SRMRHHHHHH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	: >95% by SDS – PAGE

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Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1.0mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name Cd40 CD40 antigen [*Mus musculus*]

Official Symbol Cd40

Synonyms CD40; CD40 antigen; tumor necrosis factor receptor superfamily member 5; CD40L receptor; B-cell surface antigen CD40; T-cell differentiation antigen; tumor necrosis factor receptor superfamily, member 5; IGM; p50; Bp50; GP39; IMD3; TRAP; HIGM1; T-BAM; Tnfrsf5; AI326936;

Gene ID 21939

mRNA Refseq NM_011611

Protein Refseq NP_035741

MIM

UniProt ID

Pathway Adaptive Immune System, organism-specific biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Asthma, organism-specific biosystem; Asthma, conserved biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem;

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Function

binding; enzyme binding; protein binding; receptor activity;

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