

# Recombinant mouse CD40/TNFRSF5 protein

Catalog Number: ATGP3198

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

20-193aa

### UniProt No.

P27512

### NCBI Accession No.

NP\_035741

### Alternative Names

Tumor necrosis factor receptor superfamily member 5, B-cell surface antigen CD40, Bp50, p50, CD40L receptor, CDw40

## PRODUCT SPECIFICATION

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### Molecular Weight

20.1 kDa (180aa)

### Concentration

1mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

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

## BACKGROUND

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### 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. Recombinant mouse CD40, fused to His-tag at C-terminus, was

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expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

LGQCVTCSDK QYLHDGQCCD LCQPGSRLTS HCTALEKTQC HPCDSGEFSA QWNREIRCHQ HRHCEPNQGL  
RVKKEGTAE S DTVCTCKEGQ HCTSKDCEAC AQHTPCIPGF GVMEMATETT DTVCHPCPVG FFSNQSSLFE KCYPWTSCED  
KNLEVLQKGT SQTNVICGLK SRMR<HHHHHH>

## General References

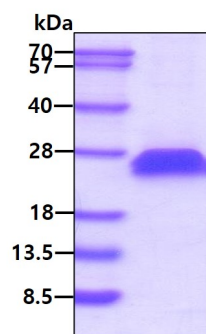
Franco G et al., (2014) Blood 123(12):1836-1849.

Torres RM et al., (1992) J. Immunol. 148(2):620-626.

Jenkinson SR et al., (2013) Proc. Natl. Acad. Sci. U.S.A. 110(52):21107-21112.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain