# **PRODUCT INFORMATION**

**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**

# **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

## 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**

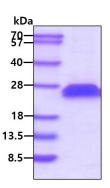
LGQCVTCSDK QYLHDGQCCD LCQPGSRLTS HCTALEKTQC HPCDSGEFSA QWNREIRCHQ HRHCEPNQGL RVKKEGTAES DTVCTCKEGQ HCTSKDCEAC AQHTPCIPGF GVMEMATETT DTVCHPCPVG FFSNQSSLFE KCYPWTSCED KNLEVLQKGT SQTNVICGLK SRMR<HHHHHH>

#### **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