

# Recombinant human CD40-ECD



orders@immunoprecise.com  
www.immunoprecise.com

CAT No. UCC003  
LOT No. A0031  
0.1 mg/vial

## Product Description

CD40 is a member of the TNF-receptor superfamily. This receptor has been found to be essential in mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. AT-hook transcription factor AKNA is reported to coordinately regulate the expression of this receptor and its ligand, which may be important for homotypic cell interactions. Adaptor protein TNFR2 interacts with this receptor and serves as a mediator of the signal transduction. The interaction of this receptor and its ligand is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

Reference sequences: NM\_001250  
NP\_001241  
Swiss-prot P25942

Alternative names: tumor necrosis factor receptor superfamily member 5 isoform 1  
TNF receptor superfamily member 5  
CD40 antigen  
CD40L receptor  
CD40 type II isoform  
nerve growth factor receptor-related B-lymphocyte activation molecule  
ell-associated molecule  
B cell surface antigen CD40  
tumor necrosis factor receptor superfamily member 5  
B-cell surface antigen CD40

Gene ID: 958

Residues 21-193 of human CD40, containing the extracellular domain - ECD -, were cloned, the protein was over-expressed in HEK293 cells and was purified to homogeneity. The calculated molecular weight of recombinant human CD40-ECD is 20.5 kDa and it contains an C-terminal hexahistidine tag. Each vial contains 100 µg CD40-ECD at a concentration of 3.4 mg/ml.

## Sequence

marplctlllmatlagalagsepptacrekqylinsqccslcqpqgkllvsdcteftetecplcgesefldtwnrthchqhkycdpnlglrvqqkgtsetdtict  
ceegwhctseacescvlhrscspgfgvkqiatgvsdticepcpvvgffsnvssafekchpwtscetkdlvvqqagtnktdvvcgppqdrllraaa

### hhhhh

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## Storage and stability

Recombinant CD40-ECD should be stored at - 80 °C (stable for at least 1 year). The protein is stored in PBS. After thawing it should be stored in appropriate small aliquots at - 20 °C or - 80 °C (stable for at least 2 months).

## PRODUCT USE LIMITATIONS, WARRANTY, DISCLAIMER

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