Tumor Necrosis Factor Receptor Superfamily Member 5 (CD40) Dog Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tumor necrosis factor receptor superfamily member 5 (CD40), Recombinant Protein
Full Product Name	Recombinant Dog Tumor necrosis factor receptor superfamily member 5 (CD40), partial
Product Gene Name	CD40 recombinant protein
Product Synonym Gene Name	CD40
Sequence	EPRTACREKQ YLVDSQCCNM CPPGEKLVND CLHTIDTECT RCQTGEFLDT WNAERHCHQH KYCDPNLGLH VEKEGTSETD TTCTCDEGLH CTNAACESCT MHSLCPPGLG VKQIATGISD TICDPCPIGF FSNVSSALEK CHPWTSCETK GLVKVQAGTN KTDVICGPQP RLRA
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	30,284 Da
Sequence Positions	21-194
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q7YRL5
Species	Canis familiaris (Dog) (Canis lupus familiaris)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CD40 recombinant protein	This protein 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.
Other Notes	Small volumes of CD40 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD40 purchase	MBS1477877 is a recombinant protein targeting CD40. Also known as Recombinant Dog Tumor necrosis factor receptor superfamily member 5 (CD40), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD40. It may not necessarily be applicable to this product.

NCBI GI #	50950213

NCBI GeneID	403469
NCBI Accession #	NP_001002982.1
UniProt Primary Accession #	Q7YRL5
UniProt Related Accession #	Q7YRL5
GenBank Nucleotide #	NM_001002982.1
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 5
NCBI Official Synonym Full Names	CD40 molecule
NCBI Official Symbol	CD40
NCBI Official Synonym Symbols	TNFRSF5
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 5
UniProt Synonym Protein Names	B-cell surface antigen CD40; CD40L receptor; CD_antigen: CD40
Protein Family	Tumor necrosis factor receptor superfamily
UniProt Gene Name	CD40
UniProt Synonym Gene Names	TNFRSF5
NCBI Protein Information	tumor necrosis factor receptor superfamily member 5
UniProt Comments for CD40	Receptor for TNFSF5/CD40LG. Transduces TRAF6- and MAP3K8-mediated signals that activate ERK in macrophages and B cells, leading to induction of immunoglobulin secretion ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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