

Recombinant Canine CD40, His-tagged

Cat. No. CD40-165C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the canine CD40 (Q7YRL5) (Met1-Ala194) was expressed with a C-terminal polyhistidine tag.
Species	Canine
Source	Human Cells
ProteinLength	Met1-Ala194
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The recombinant canine CD40 comprises 185 amino acids and has a predicted molecular mass of 20.5 kDa. The apparent molecular mass of the protein is approximately 33 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	CD40 CD40 molecule, TNF receptor superfamily member 5 [Canis lupus familiaris]
Official Symbol	CD40
Synonyms	CD40; CD40 molecule, TNF receptor superfamily member 5; tumor necrosis factor receptor superfamily member 5; CD40L receptor; B-cell surface antigen CD40; CD40 antigen (TNF receptor superfamily member 5); tumor necrosis factor receptor superfamily, member 5; TNFRSF5;
Gene ID	403469
mRNA Refseq	NM_001002982
Protein Refseq	NP_001002982
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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