# Recombinant Canine CD40, LEVLFQ tagged

**Cat. No.** CD40-153C **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Canine CD40 (Q7YRL5) (Met1-Ala194), fused with six amino acids (LEVLFQ) at the C-terminus, was produced in Human Cells. |
| **Species** | Canine |
| **Source** | Human Cells |
| **ProteinLength** | 1-194 a.a. |
| **Predicted N Terminal** | Glu 21 |
| **Form** | Lyophilized from sterile PBS, pH 7.4.Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. |
| **Molecular Mass** | The recombinant canine CD40 is a disulfide-linked homodimer. The reduced monomer comprises 181 amino acids and has a predicted molecular mass of 19.9 kDa. The apparent molecular mass of the protein is approximately 28-32 kDa in SDS-PAGE under reducing con |
| **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 -70oC. |

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| **Storage** | Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| **Reconstitution** | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4℃ before opening to recover the entire contents. |

## GENE INFORMATION

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| **Gene Name** | CD40?CD40 molecule, TNF receptor superfamily member 5 [?Canis lupus familiaris?(dog) ] |
| **Official Symbol** | CD40 |
| **Gene ID** | 403469 |
| **mRNA Refseq** | NM_001002982 |
| **Protein Refseq** | NP_001002982 |
| **UniProt ID** | Q7YRL5 |
| **Chromosome Location** | 24 |

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