

## Recombinant Canine CTLA4 Protein, His-tagged

Cat. No. CTLA4-1061C Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant canine CD152 (NP_001003106.1) (Met1-Asp161) was expressed with a polyhistidine tag at the C-terminus.
<b>Species</b>	Canine
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-161 a.a.
<b>Predicted N Terminal</b>	Lys 36
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
<b>Molecular Mass</b>	The recombinant canine CD152 consists 137 amino acids and predicts a molecular mass of 14.8 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>90 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** CTLA4 cytotoxic T-lymphocyte-associated protein 4 [ *Canis lupus familiaris* ]

**Official Symbol** CTLA4

**Synonyms** CD152; CTLA-4; costimulatory molecule B7 receptor CD152; cytotoxic T-lymphocyte-associated antigen 4

**Gene ID** 403696

**mRNA Refseq** NM\_001003106

**Protein Refseq** NP\_001003106

**MIM**

**UniProt ID**

**Chromosome Location** chromosome: 37

**Pathway** Adaptive Immune System, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Rheumatoid arthritis, conserved biosystem

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