

# Recombinant Canine CD40LG Protein, Gly/Pro-tagged, FITC conjugated

**Cat. No.** CD40LG-166CF    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      A DNA sequence encoding the canine CD40LG (O97626) (Met112-Leu260) (FITC conjugated) was expressed with two additional amino acids (Gly & Pro) at the N-terminus.

**Species**      Dog

**Source**      HEK293

**ProteinLength**      Met112-Leu260, 151

**Form**      Lyophilized

**Molecular Mass**      The recombinant canine CD40LG comprises 151 amino acids and has a predicted molecular mass of 16 kDa. The apparent molecular mass of the protein is approximately 19 kDa in SDS-PAGE under reducing conditions.

**Endotoxin**      < 1.0 EU/ µg of the protein as determined by the LAL method.

**Purity**      > 95 % as determined by SDS-PAGE

**Characteristic**      Disulfide-linked homodimer  
 Labeled with FITC via amines  
 Excitation source: 488 nm spectral line, argon-ion laser  
 Excitation Wavelength: 488 nm

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Emission Wavelength: 535 nm

**Stability** Samples are stable for up to 12 months from date of receipt at -70 centigrade.

**Storage** Store it under sterile conditions at -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Lyophilized from sterile PBS, pH7.4.

**Conjugation** FITC

## GENE INFORMATION

**Gene Name** CD40LG CD40 ligand [ *Canis lupus familiaris* ]

**Official Symbol** CD40LG

**Synonyms** CD40LG; CD40 ligand; CD40-L; tumor necrosis factor ligand superfamily member 5; tumor necrosis factor (ligand) superfamily, member 5; CD40 ligand (TNF superfamily, member 5, hyper-IgM syndrome); CD154; TNFSF5;

**Gene ID** 403468

**mRNA Refseq** [NM\\_001002981](#)

**Protein Refseq** [NP\\_001002981](#)

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