

## Recombinant Monkey CD40LG Protein, Tag Free

**Cat. No.** CD40LG-30M    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

The Monkey CD40 Ligand yeast-derived recombinant protein is not tagged and is naturally endotoxin-free.

#### Species

Monkey

#### Source

Yeast

#### Description

CD40 Ligand (CD40LG) is a transmembrane protein that is a member of the TNF superfamily. In addition to existing in a membrane bound form, CD40LG can also be released as a soluble molecule (sCD40LG), which has been shown to have biological functions. CD40 interacts with CD40 ligand, which is predominantly expressed on activated CD4+ T-cells. CD40LG is transiently expressed on activated T-cells and plays a crucial role in B-cell function. Activated T-cells expressing CD40LG can also interact with CD40 on endothelial cells to induce production of inflammatory cytokines. The transient expression of CD40LG allows T-cells to stimulate selected CD40-bearing cells to participate in the immune response. Increased levels of sCD40LG have been measured in patients with SLE, RA, inflammatory bowel diseases, systemic sclerosis, and Sjogren's syndrome.

#### AASequence

MQKGDQNPQIAAHVISEASSKTTSVLQWAEKGYTMSNNLVTLENGKQLTVKRQGL  
 YYIYAQVTFCSNREASSQAPFIASLCLKSPGRFERILLRAANTHSSAKPCGQQSIHLG  
 GVFELQPGASVFNVTDPQSQVSHGTGFTSFGLLKL

#### Molecular Mass

16.2 kDa

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<b>Endotoxin</b>	Naturally endotoxin-free
<b>Purity</b>	Greater than 98% as visualized by SDS-PAGE analysis.
<b>Application</b>	Cell Culture, ELISA Standard, ELISpot Control, Western Blot Control
<b>Note</b>	For research use only.
<b>Storage</b>	At -20 centigrade

## GENE INFORMATION

<b>Gene Name</b>	CD40LG CD40 ligand [ <i>Macaca mulatta</i> (Rhesus monkey) ]
<b>Official Symbol</b>	CD40LG
<b>Synonyms</b>	CD40LG; CD40 ligand; IGM; IMD3; TRAP; gp39; CD154; CD40L; HIGM1; T-BAM; TNFSF5; hCD40L; CD40 ligand; CD40 antigen ligand; CD40-L; T-B cell-activating molecule; T-cell antigen Gp39; TNF-related activation protein; tumor necrosis factor (ligand) superfamily member 5
<b>Gene ID</b>	574160
<b>mRNA Refseq</b>	NM_001032839
<b>Protein Refseq</b>	NP_001028011
<b>UniProt ID</b>	P63304

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