

Product datasheet for **TP723396**

Cd40lg (NM_011616) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse CD40 ligand (Cd40lg).
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MQRGDEDPQI AAHVSEANS NAASVLQWAK KGYITMKSNI VMLENGKQLT VKREGLYVVY TQVTFCSNRE PSSQRPFIVG LWLKPSSGSE RILLKAANTH SSSQLCEQQS VHLGGVFELQ AGASVFNVT EASQVIHRVG FSSFGLLKL
Tag:	Tag Free
Predicted MW:	16.4 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to induce TNF-alpha; and MIP-1 alpha; production by murine splenocytes. The expected ED50 for this effect is > 0.1 ug/ml.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_035746
Locus ID:	21947
UniProt ID:	P27548
RefSeq Size:	1250
Cytogenetics:	X 31.21 cM
RefSeq ORF:	780
Synonyms:	CD40-L; Cd40l; CD154; gp39; HIGM1; IGM; IMD3; Ly-62; Ly62; T-BAM; Tnfsf5; Tnlg8b; TRAP



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Summary:

Cytokine that binds to CD40/TNFRSF5. Costimulates T-cell proliferation and cytokine production. Its cross-linking on T-cells generates a costimulatory signal which enhances the production of IL4 and IL10 in conjunction with the TCR/CD3 ligation and CD28 costimulation. Induces the activation of NF-kappa-B and kinases MAPK8 and PAK2 in T-cells (By similarity). Mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL4. Involved in immunoglobulin class switching (PubMed:1374165). [UniProtKB/Swiss-Prot Function]

Product images: