

CD40 Ligand (CD40LG) Active Protein | CD40LG active protein

Recombinant Human CD40 Ligand (CD40LG)

CATALOG #
AAA214215

HOST
E Coli

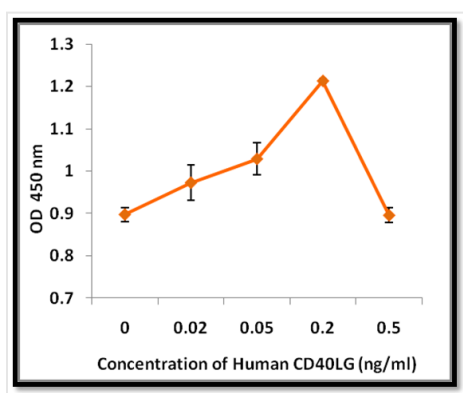
PRODUCT SYNONYMS

CD40 Ligand (CD40LG); Recombinant Human CD40 Ligand (CD40LG); Soluble CD40 Ligand; Tumor necrosis factor ligand superfamily member 5; TNFSF5; TNF-related activation protein; TRAP; CD154; gp39; T-BAM; CD40; T cell antigen Gp39; CD-40L; CD40LG active protein

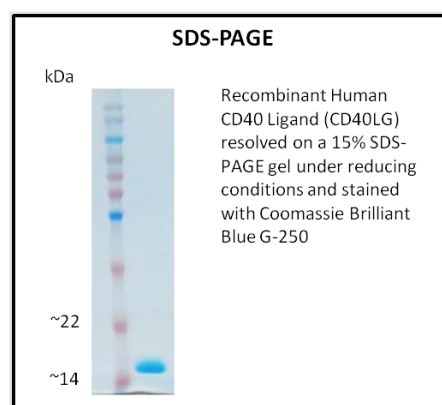
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in PBS (pH 7.0)
Sequence Length	261
Bioactivity	The ED50 as determined by dose-dependent proliferation of acute myeloid leukemia was found to be <5 ng/ml
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for CD40LG active protein	CD40LG protein is expressed on all B lymphocytes during various stages of development, activated T cells and monocytes, follicular dendritic cells, thymic epithelial cells, and various carcinoma cell lines. It is expressed on most mature B cell malignancies and on some early B cell acute lymphocytic leukemias. Human CD40LG has been found to be the receptor for a protein involved in an X-linked immunodeficiency syndrome. Based on its homology with other members of the TNF ligand protein superfamily, CD40LG is also referred to also as TNFSF5. The soluble form of CD40LG is generated by the intracellular proteolytic processing of the full length CD40LG. Recombinant Human CD40LG is a 17 kDa protein that represents the soluble segment of full length CD40LG and encompasses the receptor binding TNF-like domain.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557433
NCBI GeneID	959
NCBI Accession #	NP_000065.1
NCBI GenBank Nucleotide #	NP_000065.1
UniProt Accession #	P29965
Molecular Weight	16.0 kDa
NCBI Official Full Name	CD40 ligand
NCBI Official Synonym Full Names	CD40 ligand
NCBI Official Symbol	CD40LG
NCBI Official Synonym Symbols	IGM; IMD3; TRAP; gp39; CD154; CD40L; HIGM1; T-BAM; TNFSF5; hCD40L
NCBI Protein Information	CD40 ligand
UniProt Protein Name	CD40 ligand
UniProt Gene Name	CD40LG
UniProt Synonym Gene Names	CD40L; TNFSF5; TRAP; CD40-L; TRAP
UniProt Entry Name	CD40L_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/cd40-ligand-cd40lg/214215>