

soluble CD40 Ligand/TRAP Active Protein | sCD40L active protein

Recombinant Human soluble CD40 Ligand/TRAP

CATALOG #
AAA38130

HOST
E Coli

PRODUCT SYNONYMS

soluble CD40 Ligand/TRAP; Recombinant Human soluble CD40 Ligand/TRAP; sCD40L Human; Soluble CD-40 Ligand/TRAP Human Recombinant; CD40-L; Tumor necrosis factor ligand superfamily member 5; TNF-related activation protein; TRAP; T cell antigen Gp39; CD154 antigen; sCD40; IGM; IMD3; HIGM1; T-BAM; TNFSF5; hCD40L; sCD40L active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered concentrated (1mg/ml) solution in PBS, pH 7.0. Sterile Filtered White lyophilized (freeze-dried) powder.
Concentration	1mg/ml (varies by lot)
Sequence Length	261
Solubility	It is recommended to reconstitute the lyophilized sCD40 in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Protein Content	Protein quantitation was carried out by two independent methods:1. UV spectroscopy at 280 nm using the absorbency value of 1.1 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a standard solution of CD40 as a Reference Standard.
Biological Activity	The ED50 as determined by the dose-dependant stimulation of IL-12 induction & IL-8 production by human PBMC was found to be 5-10 ng/ml.
Preparation and Storage	Lyophilized sCD40 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution CD154 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for sCD40L active protein	Description: sCD40 Human Recombinant produced in E Coli is a non-glycosylated, Polypeptide chain containing 149 amino acids and having a molecular mass of 16308 Dalton. The sCD40 is purified by proprietary chromatographic techniques. Introduction: CD40L or CD154 is a membrane glycoprotein and differentiation antigen expressed on the surface of T-cells. The CD40 ligand stimulates B-cell proliferation and secretion of all immunoglobulin isotypes in the presence of cytokines. CD40 ligand has been shown to induce cytokine production and tumoricidal activity in peripheral blood monocytes. It also costimulates proliferation of activated T-cells and this is accompanied by the production of IFN-gamma, TNF-alpha, and IL2.
Product Categories/Family for sCD40L active protein	Cytokines and Growth Factors; CD Antigens

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557433
NCBI GeneID	959
NCBI Accession #	NP_000065.1
NCBI GenBank Nucleotide #	NM_000074.2
UniProt Accession #	P29965
Molecular Weight	29,274 Da
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; 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
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://www.aaabiotech.com/e-coli-scd40l-active-protein/soluble-cd40-ligand-trap/38130>