

CD137L active protein

CD137L protein

CATALOG # AAA14390	HOST Human
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PRODUCT SYNONYMS

CD137L; CD137L protein; TNFSF9 protein; CDL-137 protein; CDL 137 protein; 4-1BB protein; CDL-137; CDL 137; CD137L active protein

PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	> or = 98% by SDS-PAGE gel and HPLC analysis
Form/Format	Lyophilized from 5mM Tris, pH8.0, with 75mM NaCl. Centrifuge vial prior to opening. Reconstitute in water to 0.1-1.0mg/ml. Do not vortex.
Concentration	20 ug, lyophilized. (varies by lot)
Sequence	Region of CD 137 protein correspond to amino acids MREGP ELSPDDPAGL LDLRQGMFAQ LVAQNVLLID GPLSWYSDPG LAGVSLTGGL SYKEDTKELV VAKAGVYYVF FQLELRRVVA GEGSGSVSLA LHLQPLRSAA GAAALALTVD LPPASSEARN SAFGFQGRLL HLSAGQRLGV HLHTEARARH AWQLTQGATV LGLFRVTPEI PAGLPSRSE .
Sequence Length	254
Protein Type	Recombinant
Biological Significance	CD137L or 4-1BBL, a member of the TNF superfamily, is expressed in B cells, dendritic cells, activated T cells and macrophages. 4-1BBL binds to its receptor 4-1BB, and provides a co-stimulatory signal for T cell activation and expansion. The human 4-1BBL gene codes for a 254 amino acid type II transmembrane containing a 28 amino acid cytoplasmic domain, a 21 amino acid transmembrane domain, and a 205 amino acid extracellular domain. The soluble form of 4-1BBL contains the TNF-like portion of the extracellular domain of 4-1BBL.
Bioactivity	Determined by the dose-dependent stimulation of IL-8 production by human PBMC. The ED50 for this effect is 5-10 ng/ml. Please Note: Results may vary with PBMC donors.
Endotoxin Levels	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
Expression System	E Coli
Biohazard	Use standard laboratory precautions when handling this material.
Preparation and Storage	Upon receipt store at 4 degree C short term, -20 degree C long term. Avoid repeat freeze-thaws once reconstitute.

ADDITIONAL INFORMATION

Related Product Information for CD137L active protein	Purified recombinant Human CD137L protein
Product Categories/Family for CD137L active protein	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	571323
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NCBI GeneID	8744
UniProt Accession #	P41273; Q2M3S2
Molecular Weight	19.5 kDa
NCBI Official Full Name	4-1BB ligand
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 9
NCBI Official Symbol	TNFSF9
NCBI Official Synonym Symbols	CD137L; 4-1BB-L
NCBI Protein Information	tumor necrosis factor ligand superfamily member 9
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 9
UniProt Gene Name	TNFSF9
UniProt Synonym Gene Names	4-1BBL
UniProt Entry Name	TNFL9_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/human-active-protein/cd137l/14390>