

Product Name	Recombinant Human CD40L	SDS-PAGE gel	
Synonym(s)	CD154; Tumor necrosis factor ligand superfamily member 5; TNFSF5; TNF-related activation protein (TRAP); T-cell antigen Gp39	1	2
Quantity	50 µg, 500 µg		
Species	Human		
Class Type	Recombinant Protein		
Molecular weight	47.8 kDa (under reducing conditions)		
Purity	>95% by HPLC, >90% by SDS-PAGE		
Tag	N-terminal Fc		
Expression Source	HEK 293 cells		
GenBank Accession #	NP_000065.1, a. a. 113-261		
Application	Western Blotting, Functional Studies		
Formulation	Lyophilized from sterile PBS, 10% Trehalose, pH 7.4.		
Storage and Stability	Stable for 12 months at -80°C, Avoid freeze/thaw cycles	1 – MW Marker	2 – CD40L
Description	CD40L, also known as CD154 or TNFSF5, is a protein that is primarily expressed on the surface of activated CD4+ T cells. It is a member of the tumor necrosis factor (TNF) superfamily and is known to play an important role in immune system function, particularly in the regulation of B cell activation and differentiation. Dysregulation of CD40L signaling has been implicated in several autoimmune and inflammatory diseases, as well as in the development and progression of certain types of cancer. Targeting CD40L has emerged as a promising therapeutic strategy in these conditions.		
Reference	Elgueta, Raul et al. <i>Immunological reviews</i> vol. 229,1 (2009): 152-72. Marasco, Emiliano et al. <i>European journal of immunology</i> vol. 47,1 (2017): 131-143. Zhang, Rui et al. <i>Journal of immunology (Baltimore, Md. : 1950)</i> vol. 172,4 (2004): 2678-86. Loskog, Angelica, and Thomas H Tötterman. <i>Endocrine, metabolic & immune disorders drug targets</i> vol. 7,1 (2007): 23-8.		

Related products:

Product Name	Catalog #	Size
Recombinant Human PD-L1	237351	100 ug
Recombinant Human CD40	232340	100 ug
Recombinant Human CD40L	2323405	100 ug
Recombinant Human CD70	232370	100 ug
Recombinant Human CD155	2323155	100 ug
Recombinant Human GITRL	2344875	100 ug

Recombinant Human OX40	236940	100 ug
Recombinant Human OX40L	2369405	100 ug
DNA Polymerase Theta Activity Assay Kit	362101	96 reactions
DNA Polymerase Theta-N-Helicase Domain	7657643	20 ug, 100 ug
DNA Polymerase Theta-C terminal Domain	7657283	20 ug, 100 ug, 1 mg
DNA Polymerase Theta Full Length protein	7657385	10 ug, 50 ug
T7 RNA polymerase	777627	5000 U, 25000U, 100000U
T7 High Yield RNA Synthesis Kit	777627-RK	25 rxns, 50 rxns, 100 rxns
Recombinant Mouse Leukemia Inhibitory Factor (mLIF)	11-0001	10 ug, 100 ug
Recombinant Human LIF	12-0002	10 ug, 100 ug, 1 mg
Recombinant Human LIF, Animal-Free	12-0002AFR	10 ug, 100 ug, 1 mg
Recombinant Human FGF-basic, Carrier-free	12-0005CFR	50 ug, 100 ug, 500 ug, 1 mg
Kras Wild Type (WT), GST-tag	5727-4121G	50 µg, 100 µg
Kras WT, GST-tag, GDP Loaded	5727-WTG-G	50 µg, 100 µg
Kras WT, GST-tag, GppNHp loaded	5727-WTG-GP	50 µg, 100 µg
Kras G12C, GST-tag	5727-4122G	50 µg, 100 µg
Kras G12C, GST-tag, GDP Loaded	5727-4122G -G	50 µg, 100 µg
Kras G12C, GST-tag, GppNHp loaded	5727-4122G -GP	50 µg, 100 µg
Kras G12C Nucleotide Exchange Assay Kit	5727-4122NK	384 reactions
Kras G12C – cRAF Binding Assay Kit	5727-4122BK	384 reactions
Human RBD-RAF1, N-His tag, C-FLAG tag	7237231	50 µg, 100 µg
Human SOS1, No Tag	7671	50 µg, 100 µg
Human SOS1, His-Avi-Tag	7671HA	50 µg, 100 µg
Recombinant SARS-CoV-2 Mpro, 3CL protease	728201	50 ug, 500 ug
SARS-CoV-2 Mpro (3CL Protease) Assay Kit	728203	96 reactions

This product is for research use only and not for diagnostic or therapeutic use.