

Product Name	Recombinant Human CD80	SDS-PAGE gel	
Synonym(s)	B7; B7-1; B7.1; BB1; CD28LG; CD28LG1; LAB7	1	2
Quantity	100 µg, 1 mg	kDa	M
Species	Human	116	
Class Type	Recombinant Protein	66.2	
Molecular weight	~47 kDa (due to glycosylation), 25.4 kDa (predicted)	45.0	
Purity	≥ 95% by SDS-PAGE, ≥ 90% by SEC-HPLC,	35.0	
Tag	C-terminal polyhistidine tag	25.0	
Expression Source	HEK 293 cells	18.4	
GenBank Accession #	NP_005182.1 (Met1-Asn242)	14.4	
Application	Western Blotting, Functional Studies		
Formulation	Lyophilized from sterile PBS, pH 7.4.		
Storage and Stability	Stable for 12 months at -80°C, Avoid freeze/thaw cycles	1 – MW Marker 2 – CD80	
Description	The B-lymphocyte activation antigen B7-1 (referred to as B7), also known as CD80, is a member of cell surface immunoglobulin superfamily and is expressed on the surface of antigen-presenting cells including activated B cells, macrophages and dendritic cells. As costimulatory ligands, B7-1 which exists predominantly as dimer and the related protein B7-2, interact with the costimulatory receptors CD28 and cytotoxic T lymphocyte associated antigen 4 (CTLA-4) expressed on T cells, and thus constitute one of the dominant pathways that regulate T cell activation and tolerance, cytokine production, and the generation of CTL. The B7/CD28/CTLA4 pathway has the ability to both positively and negatively regulate immune responses. CD80 is thus regarded as promising therapeutic targets for autoimmune diseases and various carcinomas.		
Reference	Greenfield EA, et al. (1998) CD28/B7 costimulation: a review. Crit Rev Immunol. 18(5): 389-418. Zang X, et al. (2007) The B7 family and cancer therapy: costimulation and coinhibition. Clin Cancer Res. 13(18 Pt 1): 5271-9. Mir MA, et al. (2008) Signaling through CD80: an approach for treating lymphomas. Expert Opin Ther Targets. 12(8): 969-79.		

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 SIRP-alpha	2374772	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

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