

Active Recombinant Rat Cd86 protein, His-tagged

Cat. No. Cd86-4087R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cd86 protein(Val 29 - Ile 250), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Val 29 - Ile 250
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with Trehalose as protectant.
Bio-activity	Immobilized Rat CTLA-4, Fc Tag at 5 µg/mL (100 µL/well) can bind Rat B7-2, His Tag with a linear range of 0.02-1.25 µg/mL. Immobilized Human CTLA-4, Fc Tag at 5 µg/mL (100 µL/well) can bind Rat B7-2, His Tag with a linear range of 0.01-0.625 µg/mL. Immobilized Mouse CTLA-4, Fc Tag at 5 µg/mL (100 µL/well) can bind Rat B7-2, His Tag with a linear range of 0.039-1.25 µg/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 27.3 kDa. The protein migrates as 40-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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Storage For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Cd86 CD86 molecule [Rattus norvegicus]
Official Symbol	Cd86
Synonyms	CD86; CD86 molecule; T-lymphocyte activation antigen CD86; cd86 antigen; membrane glycoprotein; B7-2;
Gene ID	56822
mRNA Refseq	NM_020081
Protein Refseq	NP_064466

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