

Active Recombinant Mouse Cd86 protein(Met1-Glu245), His-tagged

Cat. No. Cd86-2281M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD86 (NP_062261.3)(Met 1-Glu 245) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Glu245
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized mouse CD86 at 20 µg/ml (100 µl/well) can bind mouse CD28 with a linear range of 6.4-800 ng/ml.
Molecular Mass	The recombinant mouse CD86 consists of 233 amino acids after removal of the signal peptide and has a predicted molecular mass of 26.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm CD86 is approximately 40-55 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 92 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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 antigen [*Mus musculus*]

Official Symbol Cd86

Synonyms CD86; CD86 antigen; T-lymphocyte activation antigen CD86; activation B7-2 antigen; early T cell costimulatory molecule-1; early T-cell costimulatory molecule 1; B7; B70; MB7; B7-2; B7.2; CLS1; Ly58; ETC-1; Ly-58; MB7-2; Cd28l2; TS/A-2;

Gene ID 12524

mRNA Refseq NM_019388

Protein Refseq NP_062261

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