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Recombinant Rat B7-2/CD86 Protein

Catalog No.: RP00733 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Rat	56822	O35531

Tags
C-6×His

Synonyms
T-lymphocyte activation antigen CD86; Activation B7-2 antigen; CD86

Product Information

Source
HEK293 cells

Purification
> 95% by SDS-PAGE.

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

T-lymphocyte activation antigen CD86 (B7-2) is a glycosylated protein in the B7 family. B7 family members aretransmembrane cell surface molecules that play important roles in immune activation and the maintenance ofimmune tolerance. It is highly expressed on activated antigen presenting cells. CD86 involved in thecostimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 orCTLA-4. It may play a critical role in the early events of T-cell activation and costimulation of naive T-cells, suchas deciding between immunity and anergy that is made by T-cells within 24 hours after activation. It isexpressed by activated B-lymphocytes and monocytes and promoted by MARCH8 and results in endocytosisand lysosomal degradation.

Basic Information

Description
Recombinant Rat B7-2/CD86 Protein is produced by Human cells expression system. The target protein is expressed with sequence (Val29-Lys247) of rat B7-2/CD86 (Accession #O35531) fused with a 6×His tag at the C-terminus.

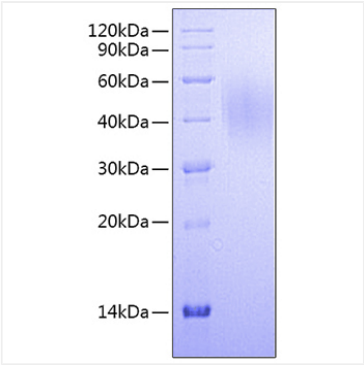
Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact

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Validation Data



Recombinant Rat B7-2/CD86 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.