

Active Recombinant Rat CD80 protein, His-tagged

Cat. No. CD80-1874R Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rat CD80 protein(O35187)(Vla30-Gln248) is expressed in HEK293 with a 6His tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	30-248 aa
Form	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 6% Trehalose,4% Mannitol, 0.05% Tween 80, pH7.0.
Bio-activity	Loaded Mouse CTLA-4-Fc on Protein A Biosensor, can bind Rat B7-1-His with an affinity constant of 35.8 nM as determined in BLI assay.
Molecular Mass	25.7 KDa
Endotoxin	< 1 EU/g as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.

 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

Reconstitution

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

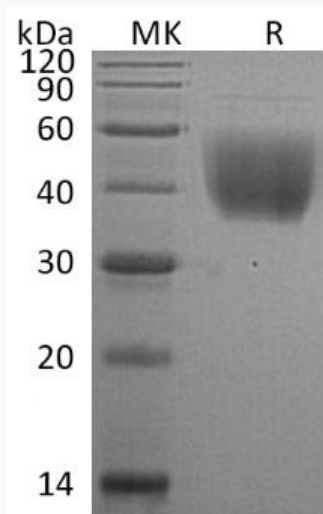
Gene Name	Cd80 Cd80 molecule [Rattus norvegicus]
Official Symbol	CD80
Synonyms	CD80; Cd80 molecule; T-lymphocyte activation antigen CD80; CD80 antigen; Cd80 a rat homolog of the human CD28/CTLA - 4 ligand (B7-1); B7-1;
Gene ID	25408
mRNA Refseq	NM_012926
Protein Refseq	NP_037058

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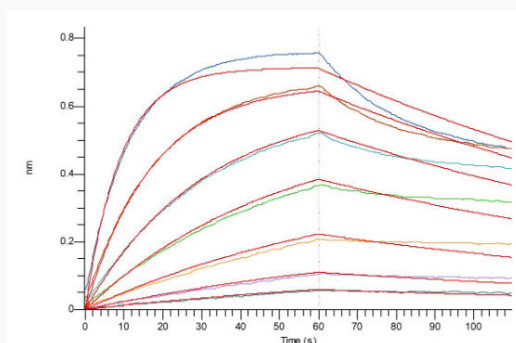
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SDS-PAGE



BLI



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