

Recombinant Rat Cd80 Protein, His-tagged

Cat. No. Cd80-1271R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cd80 Protein (Gly41-Gln248) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Gly41-Gln248
Description	Predicted to enable coreceptor activity. Involved in positive regulation of T cell proliferation. Located in cell surface. Used to study adult T-cell leukemia; anti-basement membrane glomerulonephritis; high grade glioma; and periodontal disease. Biomarker of kidney failure. Human ortholog(s) of this gene implicated in type 1 diabetes mellitus. Orthologous to human CD80 (CD80 molecule).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.4 kDa Accurate Molecular Mass: 30 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

Cd80 Cd80 molecule [*Rattus norvegicus* (Norway rat)]

Official Symbol

Cd80

Synonyms

Cd80; Cd80 molecule; B7-1; T-lymphocyte activation antigen CD80; CD80 antigen; CD80-like; Cd80 a rat homolog of the human CD28/CTLA - 4 ligand (B7-1)

Gene ID

25408

mRNA Refseq

XM_006248365

Protein Refseq

XP_006248427

UniProt ID

G3V671

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