

Recombinant Human B7-1/CD80 Protein

Catalog No.: RP00065

Sequence Information

Species	Gene ID
Human	941
Swiss Prot	Tags
P33681	C-His

Synonyms

B7,B7-1,B7.1,BB1,CD28LG,
CD28LG1,LAB7,CD80

Product Information

Source	Purification
HEK293 cells	≥ 90 % as determined by SDS-PAGE.

Calculated MW Observed MW

24.71 kDa 40-55 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL
method.

Formulation

Lyophilized from a 0.22 μm filtered
solution of PBS, pH 7.4. Contact us
for customized product form or
formulation.

Reconstitution

Centrifuge the vial before opening.
Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled
water. Avoid vortex or vigorously
pipetting the protein. For long
term storage, it is recommended
to add a carrier protein or stabilizer
(e.g. 0.1% BSA, 5% HSA, 10% FBS
or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

The protein is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy.

Basic Information

Description

Recombinant Human B7-1/CD80 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Val35-Asn242) of human B7-1/CD80 (Accession #NP_005182.1) fused with a 6×His tag at the C-terminus.

Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant human CD80 at 2 μg/mL (100 μL/well) can bind Recombinant human CTLA-4 with a linear range of 10-50 ng/mL.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

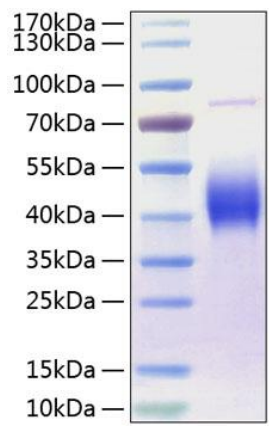
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

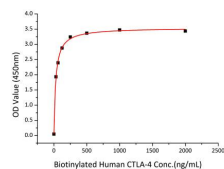
Contact

		400-999-6126
		cn.market@abclonal.com.cn
		www.abclonal.com.cn

Validation Data



Recombinant Human B7-1/CD80 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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