Recombinant Human CD80 protein (His tag)

Catalog No. PKSH033406

Note: Centrifuge before opening to ensure complete recovery of vial contents.

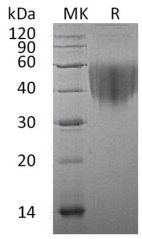
Description

Synonyms	CD80, Activation B7-1 antigen, B7, BB1, CD28LG1, CD28LGB7-1 antigen, T-lymphocyte activation antigen CD80, B7-1, B7.1, CD28LG, LAB7
Species	Human
Expression Host	HEK293 Cells
Sequence	Met1-Asn242
Accession	P33681
Calculated Molecular Weight	24.7 kDa
Observed molecular weight	40 kDa
Tag	C-His
Bioactivity	Testing in progress

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



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Background

Cluster of Differentiation 80; also called B7-1; is a member of cell surface immunoglobulin superfamily which plays key;

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yet distinct roles in the activation of T cells. It is the ligand for two different proteins on the T cell surface: CD28 and CTLA-4. Studies have shown that CTLA-4 binds mostly to CD80. The structure presents two extracellular domains: a membrane distal variable-like domain (IgV) and a membrane proximal Ig constant-like domain (IgC) along with an intracellular domain. Both IgV and IgC consist of anti-parallel beta sandwiches joined by a short linker region. CD80 is mostly expressed on the surface of antigen-presenting cells including activated B cells; macrophages and dendritic cells.

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