

# Human CD80/B7-1 recombinant protein



Catalog Number: 500374

## General Information

### Gene Name Synonym

CD80 molecule; cDNA FLJ75225, highly similar to Homo sapiens CD80 antigen (CD28 antigen ligand 1, B7-1 antigen) (CD80)

### Protein Construction

The mature form of human B7-1 (NP\_005182.1) extracellular domain (Met 1-Asn 242) with five amini acids (DDDDK) at the C-terminus was expressed and purified.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 85 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ g of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Val 35

### Molecular Mass

The mature recombinant human B7-1 consists of 214 amino acids and predicts a molecular mass of 25.5 kDa. As a result of glycosylation, rhB7-1 migrates as approximately 45 kDa band in SDS-PAGE.

### Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

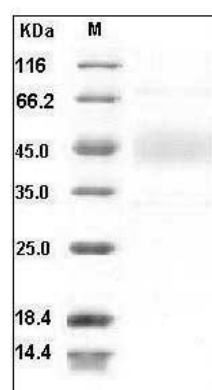
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human CD80 / B7-1 Protein SDS-PAGE