

PRODUCT INFORMATION

Target	B7-1
Synonyms	B7;CD80
Description	Recombinant mouse B7-1 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q00609
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	Mouse B7-1(Val38-Lys245) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 49.8 kDa after removal of the signal peptide. The apparent molecular mass of mB7-1-hFc is approximately 70-100 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
Background	The protein encoded by this gene 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. [provided by RefSeq, Aug 2011]
Usage	Research use only
Conjugate	Unconjugated



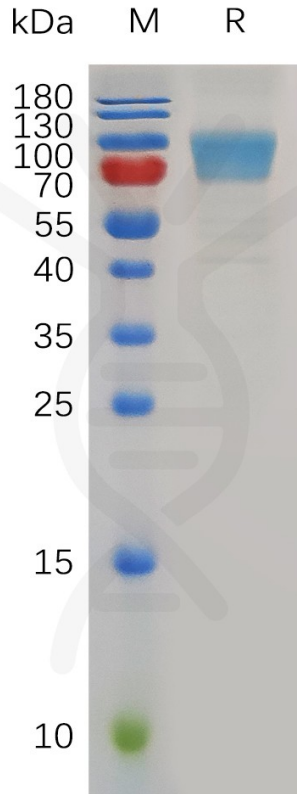


Figure 1. Mouse B7-1 Protein, hFc Tag on SDS-PAGE under reducing condition.

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