

**MOUSE B7-1 PROTEIN, HFC TAG****Cat.#:** 12168**Product Name:** Mouse B7-1 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** B7;CD80**Target:** B7-1**UNIPROT ID:** Q00609**Description:** Recombinant mouse B7-1 protein with C-terminal human Fc tag**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]**Species/Host:** HEK293**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.**Molecular Characterization:** Mouse B7-1(Val38-Lys245) hFc(Glu99-Ala330)**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**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.

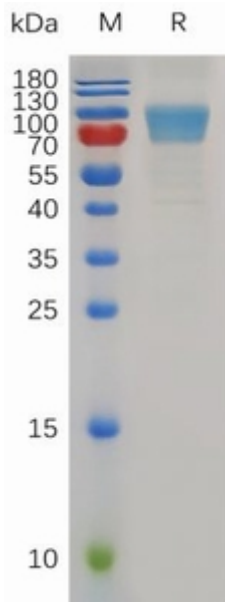


Figure 1. Mouse B7-1 Protein, hFc Tag on SDS-PAGE under reducing condition.