

## HUMAN B7-H7 PROTEIN, HFC TAG

**Cat.#:** 11556

**Product Name:** Human B7-H7 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** HHLA2

**Target:** B7-H7

**UNIPROT ID:** Q9UM44

**Description:** Recombinant human B7-H7 protein with C-terminal human Fc tag

**Background:** This gene encodes a protein ligand found on the surface of monocytes. The encoded protein is thought to regulate cell-mediated immunity by binding to a receptor on T lymphocytes and inhibiting the proliferation of these cells. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 63.1 kDa after removal of the signal peptide. The apparent molecular mass of B7-H7-hFc is approximately 100-130 kDa due to glycosylation.

**Molecular Characterization:** B7-H7(Ile23-Asn344) 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.

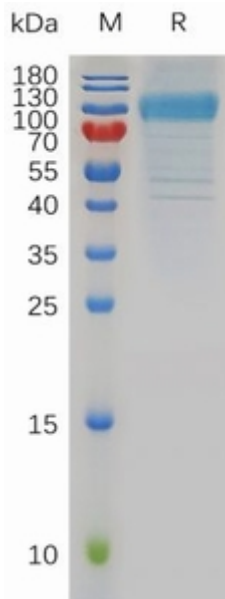


Figure 1. Human B7-H7 Protein, hFc Tag on SDS-PAGE under reducing condition.