

## MOUSE B7-H4 PROTEIN, HIS TAG

**Cat.#:** 12200

**Product Name:** Mouse B7-H4 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** VTCN1;B7x;B7s1

**Target:** B7-H4

**UNIPROT ID:** Q7TSP5

**Description:** Recombinant mouse B7-H4 protein with C-terminal 6xHis tag

**Background:** Enables signaling receptor binding activity. Acts upstream of or within positive regulation of interleukin-2 production; regulation of T cell activation; and response to protozoan. Located in external side of plasma membrane. Is expressed in hemolymphoid system gland; lung; male reproductive gland or organ; and pancreas. Orthologous to human VTCN1 (V-set domain containing T cell activation inhibitor 1). [provided by Alliance of Genome Resources, Apr 2022]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 26.0 kDa after removal of the signal peptide. The apparent molecular mass of mB7-H4-His is approximately 35-70 kDa due to glycosylation.

**Molecular Characterization:** Mouse B7-H4(Phe29-Ser256) 6×His tag

**Purity:** The purity of the protein is greater than 85% 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.

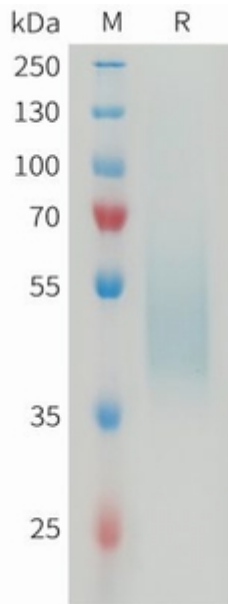


Figure 1. Mouse B7-H4 Protein, His Tag on SDS-PAGE under reducing condition.