

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.

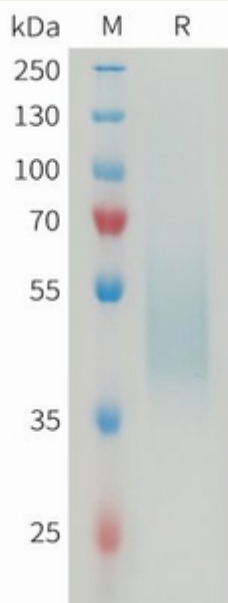


Figure 1. Mouse B7-H4 Protein, His Tag on SDS-PAGE under reducing condition.