PRODUCT INFORMATION

Target	B7-H4
Synonyms	B7X; B7H4; B7S1; VTCN1; B7h.5; VCTN1; PRO1291
Description	Recombinant human B7-H4(147-259) Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q7Z7D3
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	B7-H4(Thr147-Ser259) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 38.7 kDa after removal of the signal peptide. The apparent molecular mass of B7-H4(147-259)-hFc is approximately 35-70 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.
Background	This gene encodes a protein belonging to the B7 costimulatory protein family. Proteins in this family are present on the surface of antigen-presenting cells and interact with ligand bound to receptors on the surface of T cells. Studies have shown that high levels of the encoded protein has been correlated with tumor progression. A pseudogene of this gene is located on chromosome 20. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]
Usage	Research use only
Conjugate	Unconjugated

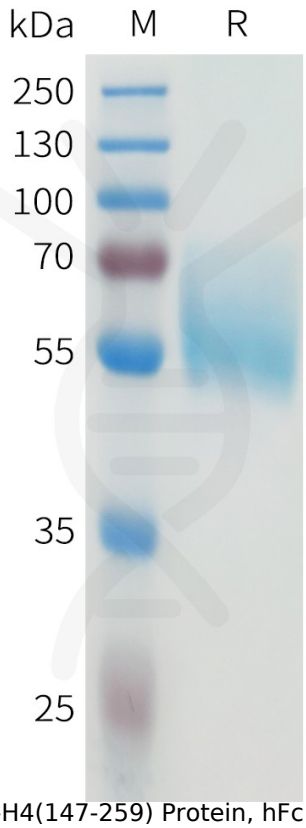

Figure 1. Human B7-H4(147-259) Protein, hFc Tag on SDS-PAGE under reducing condition.