PRODUCT INFORMATION

Target	B7-2
Synonyms	CD86;B7-2;B70;CD28LG2;LAB72;MGC34413
Description	Recombinant human B7-2 protein with C-terminal mouse Fc and 6×His tag
Delivery	In Stock
Uniprot ID	P42081
Expression Host	HEK293
Tag	C-Mouse Fc and 6×His Tag
Molecular Characterization	B7-2(Leu26-Pro247) mFc(Pro99-Lys330) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 52.4 kDa after removal of the signal peptide.
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 type I membrane protein that is a member of the immunoglobulin superfamily. This protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in several transcript variants encoding different isoforms.
Usage	Research use only
Conjugate	Unconjugated

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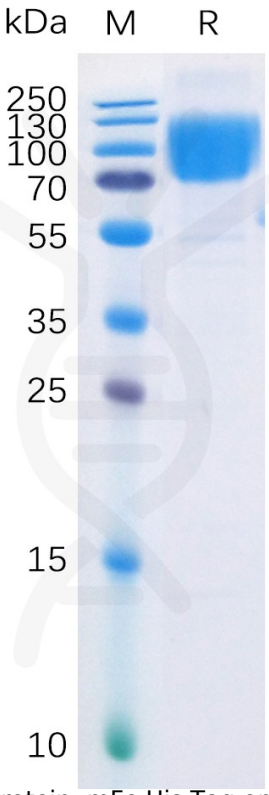

Figure 1. Human B7-2 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

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