

Product datasheet for **TP723957**

B7-2 (CD86) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Human B7-2 Protein, mFc-His Tag
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	B7-2[Leu26-Pro247]+mFc[Pro99-Lys330]+6×His tag
Tag:	C-Mouse Fc and 6×His
Predicted MW:	52.4 kDa
Purity:	> 95%
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization
Reconstitution Method:	Reconstitute with deionized water
Preparation:	Affinity purification
Storage:	Store the lyophilized protein at -20°C. After reconstitution, store the protein at -80°C for 12 months. Avoid repeated freezing and thawing.
Stability:	12 months from date of despatch
Locus ID:	942
UniProt ID:	P42081
Summary:	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.



[View online »](#)

Product images:

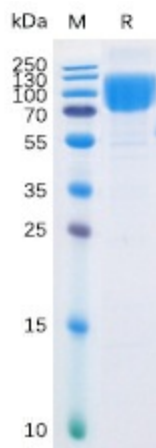


Figure 1. Human B7-2 Protein, mFc-His Tag on SDS-PAGE under reducing condition.