

Product datasheet for **TP723952**

ICOS Ligand (ICOSLG) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Human B7-H2 Protein, mFc-His Tag
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	B7H2-Asp19-Thr256+mFc-Pro99-Lys330+6×His tag
Tag:	C-Mouse Fc and 6×His
Predicted MW:	53.9 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
Applications:	Flow Cyt
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:	23308
UniProt ID:	O75144
Summary:	Inducible co-stimulator ligand (ICOSL), also known as B7-H2, is a member of the B7 family of co-stimulatory molecules related to B7-1 and B7-2. The protein is the ligand for the T-cell-specific cell surface receptor ICOS. Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; induces also B-cell proliferation and differentiation into plasma cells. Could play an important role in mediating local tissue responses to inflammatory conditions, as well as in modulating the secondary immune response by co-stimulating memory T-cell function



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Product images:

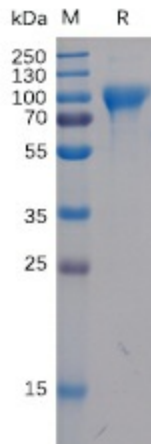


Figure 1. Human B7H2 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

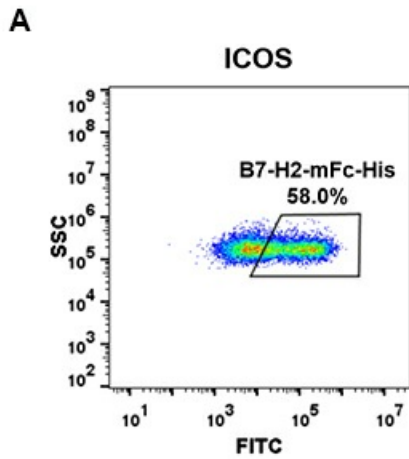


Figure 2. HEK293 cell line transfected with irrelevant protein (B) and human ICOS (A) were surface stained with Human B7-H2, mFc-His tagged protein (TP723952) 1µg/ml followed by Alexa 488-conjugated anti-mouse IgG secondary antibody.