

## Product datasheet for **TP723935**

### **B7H3 (CD276) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Human B7-H3 Protein, mFc-His Tag
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293
<b>Expression cDNA Clone or AA Sequence:</b>	B7-H3□Leu29-Pro245□+mFc□Pro99-Lys330□+6×His
<b>Tag:</b>	C-Mouse Fc and 6×His
<b>Predicted MW:</b>	70-75 kDa
<b>Purity:</b>	> 95%
<b>Buffer:</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization
<b>Reconstitution Method:</b>	Reconstitute with deionized water
<b>Preparation:</b>	Affinity purification
<b>Applications:</b>	ELISA
<b>Storage:</b>	Store the lyophilized protein at -20°C. After reconstitution, store the protein at -80°C for 12 months. Avoid repeated freezing and thawing.
<b>Stability:</b>	12 months from date of despatch
<b>Locus ID:</b>	80381
<b>UniProt ID:</b>	<a href="#">Q5ZPR3</a>
<b>Summary:</b>	The protein encoded by this gene belongs to the immunoglobulin superfamily, and thought to participate in the regulation of T-cell-mediated immune response. Studies show that while the transcript of this gene is ubiquitously expressed in normal tissues and solid tumors, the protein is preferentially expressed only in tumor tissues. Additionally, it was observed that the 3' UTR of this transcript contains a target site for miR29 microRNA, and there is an inverse correlation between the expression of this protein and miR29 levels, suggesting regulation of expression of this gene product by miR29. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.



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Product images:

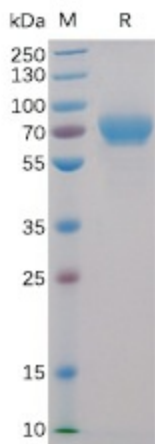


Figure 1. Human B7-H3 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

Human B7H3, mFc-His Tagged protein ELISA

0.2 µg of Human B7H3, mFc-His Tagged protein per well

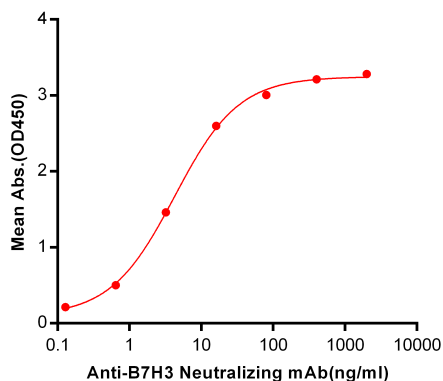


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human B7-H3, mFc-His tagged protein (TP723935) can bind Anti-B7-H3 Neutralizing antibody ([TA355202]) in a linear range of 0.24-31.25 ng/ml.