RP00327

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Recombinant Human B7-H3/CD276 Protein

Catalog No.: RP00327 **Recombinant**

Sequence Information

Species	**Gene ID**	**Swiss Prot**
Human	80381	Q5ZPR3

Tags
C-6×His

Synonyms
CD276; 4Ig-B7-H3; B7-H3; B7H3; B7RP-2; CD276 antigen;4Ig-B7-H3;B7-H3;B7H3;B7RP-2

Product Information

Source	**Purification**
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin
< 1 EU/µg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This protein 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.

Basic Information

Description
Recombinant Human B7-H3/CD276 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Leu29-Thr461) of human B7-H3/CD276 (Accession #Q5ZPR3) fused with a 6×His tag at the C-terminus.
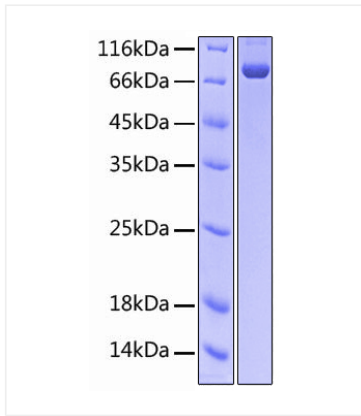
Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

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Validation Data

Recombinant protein Human B7-H3/CD276 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 70 kDa.