

## Recombinant Human CD276 protein, His-Avi-tagged

**Cat. No.** CD276-127H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD276 protein(Q5ZPR3-1)(Gly27-Thr461), fused with C-terminal His and Avi tag, was expressed in HEK293.                                                          |
| <b>Species</b>          | Human                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                            |
| <b>ProteinLength</b>    | Gly27-Thr461                                                                                                                                                                      |
| <b>Tag</b>              | C-His-Avi                                                                                                                                                                         |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.                                                    |
| <b>Bio-activity</b>     | Immobilized Human B7-H3 (4Ig), His Tag at 0.5ug/ml (100ul/Well) on the plate. Dose response curve for Anti-B7-H3 Antibody, hFc Tag with the EC50 of 4.9ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 49.5 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.                                                |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.                                                                                                                                           |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC                                                                                                                  |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.                    |
| <b>Reconstitution</b>   | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| <b>GENE INFORMATION</b> |                                                                                                                                                             |
| <b>Gene Name</b>        | CD276 CD276 molecule [ Homo sapiens ]                                                                                                                       |
| <b>Official Symbol</b>  | CD276                                                                                                                                                       |
| <b>Synonyms</b>         | CD276; CD276 molecule; CD276 antigen; B7 H3; B7H3; B7RP 2; B7 homolog 3; costimulatory molecule; B7-H3; B7RP-2; 4lg-B7-H3;                                  |
| <b>Gene ID</b>          | 80381                                                                                                                                                       |
| <b>mRNA Refseq</b>      | NM_001024736                                                                                                                                                |
| <b>Protein Refseq</b>   | NP_001019907                                                                                                                                                |
| <b>MIM</b>              | 605715                                                                                                                                                      |
| <b>UniProt ID</b>       | Q5ZPR3                                                                                                                                                      |

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