

# Recombinant Human CD276 Protein, Fc-Avi-tagged, Biotinylated

**Cat. No.** CD276-1287H    **Lot. No.** (See product label)

## SPECIFICATION

|                             |  |
|-----------------------------|--|
| <b>Product Overview</b>     | Biotinylated Human B7-H3, Fc Tag, Avi Tag is expressed from HEK293 cells. It contains AA Leu 29 - Pro 245 (Accession # Q5ZPR3-2). This protein carries a human IgG1 Fc tag at the C-terminus, followed by a Avi tag. |
| <b>Species</b>              | Human  |
| <b>Source</b>               | HEK293   |
| <b>ProteinLength</b>        | 29-245 a.a.  |
| <b>Predicted N Terminal</b> | Leu 29   |
| <b>Form</b>                 | Lyophilized from 0.22 um filtered solution in 49 mM Tris, 100 mM Glycine, 25 mM Arg, 150 mM NaCl, pH7.5, 10% trehalose.  |
| <b>Molecular Mass</b>       | The protein has a calculated MW of 51.6 kDa. The protein migrates as 63-70 kDa under reducing condition (SDS-PAGE) due to glycosylation.   |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method.  |
| <b>Purity</b>               | >90% as determined by SDS-PAGE.  |
| <b>Characteristic</b>       | Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein                                     |

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ratio is 0.5-1 as determined by the HABA assay.

**Stability**

Samples are stable for up to twelve months from date of receipt at -70°C.

**Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**Conjugation**

Biotin

## GENE INFORMATION

**Gene Name**

CD276 CD276 molecule [ [Homo sapiens](#) ]

**Official Symbol**

CD276

**Synonyms**

CD276; CD276 molecule; CD276 antigen; B7 H3; B7H3; B7RP 2; B7 homolog 3; costimulatory molecule; B7-H3; B7RP-2; 4lg-B7-H3;

**Gene ID**

80381

**mRNA Refseq**

[NM\\_001024736](#)

**Protein Refseq**

[NP\\_001019907](#)

**MIM**

605715

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UniProt ID

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