

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	HEK293
ProteinLength	29-245 a.a.
Predicted N Terminal	Leu 29
Form	Lyophilized from 0.22 um filtered solution in 49 mM Tris, 100 mM Glycine, 25 mM Arg, 150 mM NaCl, pH7.5, 10% trehalose.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Characteristic	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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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