

# Recombinant Human CD276 Protein, hFc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** CD276-303HAF647    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 647 conjugated recombinant human CD276 (Gly27-Thr461) protein was fused to human IgG1 Fc tag at C-terminus and expressed in human 293 cells (HEK293).
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Gly27-Thr461
<b>Description</b>	Human B7 homolog 3 (B7-H3) is a member of the B7 family of immune proteins that provide signals for the regulation of immune responses. Other family members include B7-1, B7-2, B7-H1/PD-L1, B7-H2, and PD-L2. B7 family proteins are type I transmembrane immunoglobulin (Ig) superfamily members that contain extracellular Ig V-like and Ig C-like domains with a short cytoplasmic tail. Termed 4IgB7-H3 or B7-H3b, this molecule has two additional Ig-like domains (one V-type and one C-type) and shows a ubiquitous expression pattern.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	The protein has a calculated MW of 73.1 kDa. The protein migrates as 100-110 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>N-terminal Sequence</b>	Gly 27

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<b>Analysis</b>	
<b>Endotoxin</b>	< 1.0 EU/ µg by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
<b>Storage</b>	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
<b>Storage Buffer</b>	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	Alexa Fluor 647
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CD276

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<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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