

Recombinant Full Length Human CD276 molecule VLPs Protein, GFP-tagged

Cat. No. B7H3-001HV **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CD276 VLPs Protein with GFP-tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Full length
Description	The protein encoded by this gene 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.
Tag	C-EGFP
AA Sequence	LEVQVPEDPVVALVGTDATLCCSFSPGFSLAQLNLIWQLTDTKQLVHSFAEGQD QGSAYANRTALFPDLLAQGNASRLRLQVRVADEGSFTCFVSIRDFGSAAVSLQVAA PYSKPSMTLEPNKDLRPGDVTITCSSYQGYPEAEVFWQDGQGVPLTGNVTTSQM

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ANEQGLFDVHSILRVVLGANGTYSCLVRNPVLQQDAHSSVTITPQRSPTGAVEVQVP
EDPVVALVGTDATLRCSFSPEPGFSLAQLNLIWQLTDTKQLVHSFTEGRDQGSAYA
NRTALFPDLLAQGNASRLQRVRVADEGSFTCFVSIRDFGSAAVSLQVAAPYSKPS
MTLEPNKDLRPGDVTITCSSYRGYPEAEVFWQDGQGVPLTGNVTTSQMANEQGL
FDVHSVLRVVLGANGTYSCLVRNPVLQQDAHGSVTITGQPMTFPPEALWVTVGLSV
CLIALVALAFVCWRKIKQSCEEENAGAEDQDGEGESESKTALQPLKHSDSKEDDGGQ
EIA

Endotoxin < 1 EU/μg by LAL.

Notes Mix the sample gently by repeatedly pipetting it up and down. Do not vortex.
Repeated freezing and thawing is not recommended.
The immunization strategy should be optimized (antigen dose, regimen and adjuvant).

Storage Store it under sterile conditions at -20 to -80 centigrade twelve months from the date of receipt.

Storage Buffer Lyophilized from a 0.2 μm sterile filtered PBS, 6 % Trehalose, pH 7.4.
The volume before lyophilization is 89μl/vial.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot for long-term storage at -80 centigrade. Solubilize for 60 minutes at room temperature with occasional gentle mixing. Avoid vigorous shaking or vortexing.

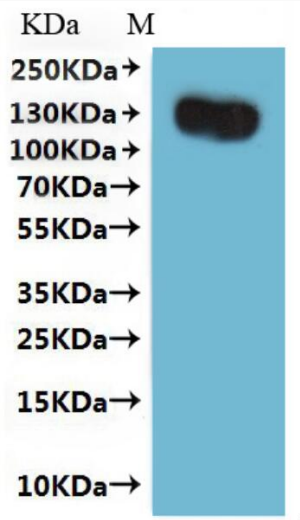
GENE INFORMATION

Gene Name CD276 CD276 molecule [Homo sapiens (human)]

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Official Symbol	CD276
Synonyms	CD276; CD276 molecule; CD276 antigen; B7 H3; B7H3; B7RP 2; B7 homolog 3; costimulatory molecule; B7-H3; B7RP-2; 4Ig-B7-H3
Gene ID	80381
mRNA Refseq	NM_001024736
Protein Refseq	NP_001019907
MIM	605715
UniProt ID	Q5ZPR3
SDS-PAGE	 Predicted band size – 81.2 kDa; Observed band size - 120 kDa It is detected by Mouse anti-EGFP monoclonal antibody. This tag can be tested only under denaturing conditions.

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The reducing (R) protein migrates as 120 kDa in Western blotting may be due to glycosylation.