

Recombinant Human CD276 Protein, DYKDDDDK-tagged

Cat. No. CD276-155H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD276 molecule(CD276), transcript variant 2(NM_025240), with a DYKDDDDK tag, was expressed in human cells.
Species	Human
Source	Human Cells
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.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.375, without any preservatives.
Molecular Mass	33.6 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining

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Applications

Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

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

UniProt ID Q5ZPR3

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