

Recombinant Human CD276 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CD276-586H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CD276 MS Standard C13 and N15-labeled recombinant protein (NP_079516) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	33.6 kDa
AA Sequence	MLRRRGSPGMGVHVGAAALGALWFCLTGALEVQVPEDPVVALVGTDATLCCSFSP PGFSLAQLNLIWQLTDTKQLVHSFAEGQDQGSAYANRTALFPDLLAQGNASRLRQ VRVADEGSFTCFVSIRDGSAAVSLQVAAPYSKPSMTLEPNKDLRPGDVTITCSSY RGYPEAEVFWQDGQGVPLTGNVTTSQMANEQGLFDVHSLRVVLGANGTYSCLVR

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NPVLQQDAHGSVTITGQPMTFPPEALWVTVGLSVCLIALVALAFVCWRKIKQSCEE
ENAGAEDQDGE GEGESKTALQPLKHSDSKEDDGQEIATRTRPLEQKLISEEDLAANDI
LDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

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_025240

Protein Refseq NP_079516

MIM 605715

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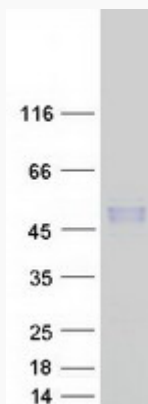
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UniProt ID

Q5ZPR3

SDS-PAGE

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