

Active Recombinant Human CD276 Protein, His-tagged

Cat. No. CD276-757H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD276 (Accession # NP_079516) Leu29-Pro245, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	Leu29-Pro245
Predicted N Terminal	Leu29
Form	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Bio-activity	Measured in a cell proliferation assay using mouse CD4+ cells in the presence of anti-CD3. The ED50 for this effect is typically 3-12 µg/mL.
Molecular Mass	Recombinant Human CD276, His-tagged has a calculated MW of 24.8 kDa. In SDS-PAGE migrates as 40-45 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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Reconstitution Reconstitute at 25 g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

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

Chromosome Location 15q23-q24

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