

Datasheet for ABIN7490943

CD276 Protein (CD276) (AA 27-461) (mFc Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	CD276
Protein Characteristics:	AA 27-461
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD276 protein is labelled with mFc Tag.

Product Details

Purpose:	Recombinant human B7-H3 protein with C-terminal mouse Fc tag
Specificity:	B7-H3 (Gly27-Thr461) mFc (Pro99-Lys330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CD276
Alternative Name:	B7-H3 (CD276 Products)
Background:	The protein encoded by this gene belongs to the immunoglobulin superfamily, and thought to

Target Details

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 Weight: predicted molecular mass of 72.8 kDa after removal of the signal peptide. The apparent molecular mass of B7-H3-mFc is 70-100 kDa due to glycosylation.

UniProt: [Q5ZPR3](#)

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

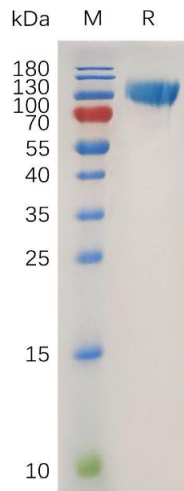
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human B7-H3 Protein, mFc Tag on SDS-PAGE under reducing condition.