



Datasheet for ABIN7273972

## CD276 Protein (CD276) (AA 29-248) (His tag)



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### 2 Images

#### Overview

Quantity:	100 µg
Target:	CD276
Protein Characteristics:	AA 29-248
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD276 protein is labelled with His tag.

#### Product Details

Purpose:	Mouse B7-H3/CD276 Protein
Sequence:	Val29-Ala248
Characteristics:	Recombinant Mouse B7-H3/CD276 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Val29-Ala248.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

#### Target Details

Target:	CD276
Alternative Name:	B7-H3 ( <a href="#">CD276 Products</a> )

## Target Details

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Background:	B7-H3, a member of the B7 family of immunomodulatory molecules, is overexpressed in a wide range of solid cancers. B7-H3 binds to activated T cells via an as yet unidentified receptor. In assays using sub-optimal amount so anti-CD3 stimulation, 2Ig-B7-H3 enhances T cell proliferation, T cell interferon-gamma (IFN-gamma) production, and cytotoxic T cells induction.
Molecular Weight:	24.98 kDa. Due to glycosylation, the protein migrates to 42-52 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">Q8VE98</a>
Pathways:	<a href="#">Cancer Immune Checkpoints</a>

## Application Details

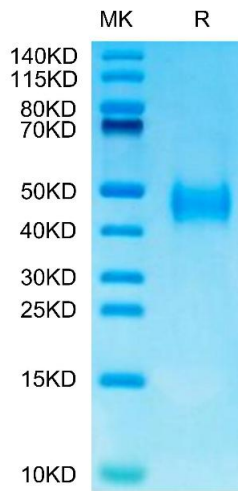
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Restrictions:	For Research Use only
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## Handling

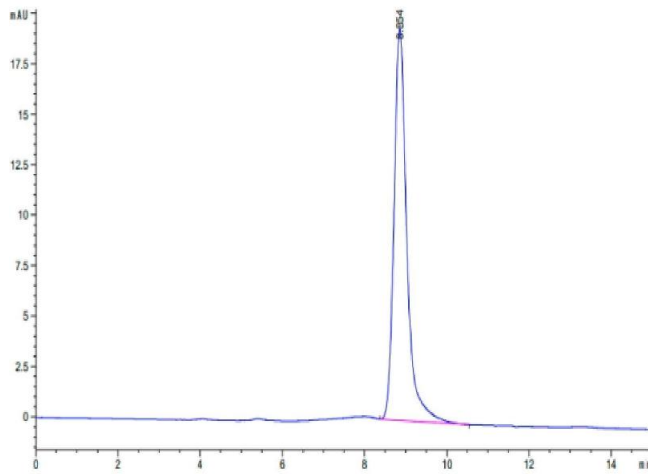
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Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



### SDS-PAGE

**Image 1.** Mouse B7-H3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Mouse B7-H3 is greater than 95 % as determined by SEC-HPLC.