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## Recombinant Human B7-H3/CD276 Protein

Catalog No.: RP00635 Recombinant

## **Sequence Information**

Species Gene ID Swiss Prot Human 80381 05ZPR3-2

**Tags** 

C-hFc

**Synonyms** 

B7H3; B7-H3; CD276; PSEC0249; UNQ309; PRO352; B7 homolog 3; CD276

## **Product Information**

**Source** Purification HEK293 cells ≥ 95 % as

determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW Observed MW

50.1 kDa 60-70 kDa

**Endotoxin** 

< 1 EU/µg of the protein by LAL method.

## **Formulation**

Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

## Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

### **Contact**

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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.

#### **Basic Information**

#### **Description**

Recombinant Human B7-H3/CD276 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu29-Pro245) of Human B7-H3/CD276 (Accession #Q5ZPR3-2) fused with a C-hFc tag at the C-terminus.

## **Bio-Activity**

#### **Shipping**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

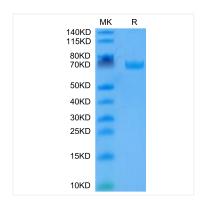
After reconstitution, the protein solution is stable at -20  $^{\circ}$ C for 3 months, at 2-8  $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

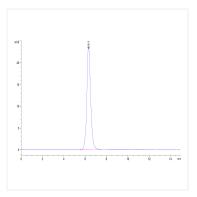
#### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

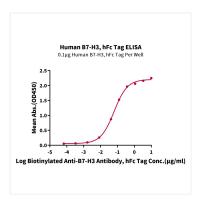
## **Validation Data**



Recombinant Human B7-H3/CD276 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human B7-H3 is greater than 95% as determined by SEC-HPLC.



Immobilized Human B7-H3, hFc Tag at 1  $\mu$ g/mL (100  $\mu$ L/Well) on the plate. Dose response curve for Biotinylated Anti-B7-H3 Antibody, hFc Tag with the EC<sub>50</sub> of 62.9ng/mL determined by ELISA.