

# **Biotinylated Recombinant Human TACTILE/CD96 Protein**

Catalog No.: RP00343B Recombinant

## **Sequence Information**

**Species Gene ID Swiss Prot** Human 10225 P40200-2

**Tags** C-His&Avi

**Synonyms** 

CD96 molecule; CD96; DKFZp667E2122; TACTILE

## **Product Information**

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

determined by SDS-

PAGE.

Calculated MW Observed MW

59.1 kDa 115-140 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**

The receptors CD96 and TIGIT are expressed on the surface of T and natural killer (NK) cells, and recent studies suggest both play important inhibitory roles in immune function. CD96 has been shown to modulate immune cell activity in mice, with Cd96-/-mice displaying hypersensitive NK-cell responses to immune challenge and significant tumor resistance. The counterbalance between the putative inhibitory CD96 and TIGIT receptors and the activating receptor, CD226, offers unique strategies for immuno-oncology drug development.

## **Basic Information**

#### **Description**

Biotinylated Recombinant Human TACTILE/CD96 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val22-Met503) of Human TACTILE/CD96 (Accession #P40200-2) fused with a C-His&Avi tag at the C-terminus.

## **Bio-Activity**

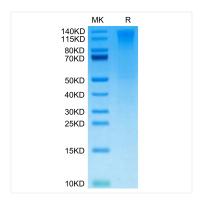
#### Storage

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

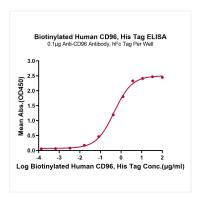
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## **Validation Data**



Biotinylated Recombinant Human TACTILE/CD96 Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Anti-CD96 Antibody, hFc Tag at 1  $\mu$ g/mL (100  $\mu$ L/well) on the plate. Dose response curve for Biotinylated Human CD96, His Tag with the EC<sub>50</sub> of 0.46  $\mu$ g/mL determined by ELISA.