

# Recombinant Human TIGIT Protein

Catalog No.: RP00080 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	201633	Q495A1

### Tags

C-His

### Synonyms

VSIG9; VSTM3; WUCAM;TIGIT

## Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Calculated MW	Observed MW
13.90 kDa	15-20 kDa

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### 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 stabilizer (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

This protein is a member of the PVR (poliovirus receptor) family of immunoglobulin proteins. The protein is expressed on several classes of T cells including follicular B helper T cells (TFH). The protein has been shown to bind PVR with high affinity; this binding is thought to assist interactions between TFH and dendritic cells to regulate T cell dependent B cell responses.

## Basic Information

### Description

Recombinant Human TIGIT Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Met22-Pro141) of human TIGIT (Accession #NP\_776160.2) fused with a 6×His tag at the C-terminus.

### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human TIGIT at 1.5 μg/mL (100 μL/well) can bind Human CD155 with a linear range of 0.15-1.2 μg/mL.

### Storage

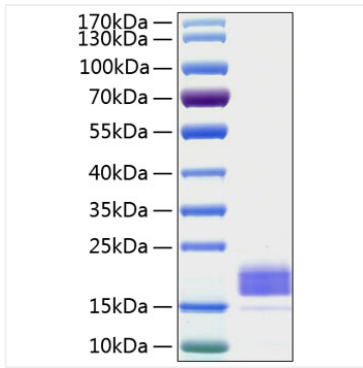
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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

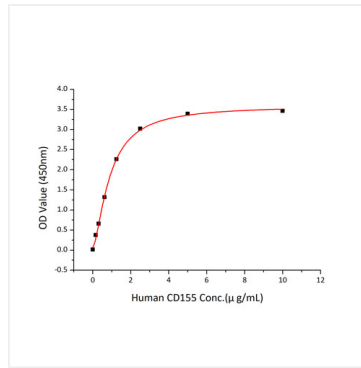
Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human TIGIT Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 18-22 kDa.



Immobilized Human TIGIT at 1.5 µg/mL (100 µL/well) can bind Human CD155 with a linear range of 0.15-1.2 µg/mL.