

# Active Recombinant Human TIGIT protein(Met1-Pro141), His-tagged

**Cat. No.** TIGIT-5739H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human TIGIT (Q495A1-1) (Met1-Pro141) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Pro141
<b>Form</b>	Lyophilized from sterile PBS, pH7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Immobilized Human TIGIT His at 2 µg/mL (100 µL/well) can bind Human CD155/PVR hFc, the EC50 is 20-240 ng/mL.
<b>Molecular Mass</b>	The recombinant human TIGIT consists of 131 amino acids and predicts a molecular mass of 14.5 kDa. As a result of glycosylation, it migrates as an approximately 19.7 KDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE.>90% as determined by SEC-HPLC
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name**

TIGIT T cell immunoreceptor with Ig and ITIM domains [ [Homo sapiens](#) ]

**Official Symbol**

TIGIT

**Synonyms**

TIGIT; T cell immunoreceptor with Ig and ITIM domains; V set and immunoglobulin domain containing 9 , V set and transmembrane domain containing 3 , VSIG9, VSTM3; T-cell immunoreceptor with Ig and ITIM domains; DKFZp667A205; FLJ39873; V-set and transmembrane domain containing 3; V-set and immunoglobulin domain containing 9; Washington University cell adhesion molecule; V-set and transmembrane domain-containing protein 3; V-set and immunoglobulin domain-containing protein 9; VSIG9; VSTM3; WUCAM;

**Gene ID**

[201633](#)

**mRNA Refseq**

[NM\\_173799](#)

**Protein Refseq**

[NP\\_776160](#)

**MIM**

[612859](#)

**UniProt ID**

[Q495A1](#)

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