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

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

SPECIFICATION

Product Overview	Recombinant Human TIGIT (Q495A1-1) (Met1-Pro141) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Pro141
Form	Lyophilized from sterile PBS, pH7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Immobilized Human TIGIT His at 2 μg/mL (100 μL/well) can bind Human CD155/PVR hFc, the EC50 is 20-240 ng/mL.
Molecular Mass	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.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.>90% as determined by SEC-HPLC
Storage	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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