

## Recombinant Human TIGIT Protein, His\Avi-tagged

Cat. No. TIGIT-184H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Biotinylated Recombinant Human T cell Immunoreceptor with Ig and ITIM domains is produced by our Mammalian expression system and the target gene encoding Met22-Pro141 is expressed with a 6His, Avi tag at the C-terminus.

**Species** Human

**Source** Human Cells

**ProteinLength** 22-141 a.a.

**Description** T cell immunoreceptor with Ig and ITIM domains (TIGIT) is a member of the CD28 family within the Ig superfamily of proteins. TIGIT is expressed on NK cells and subsets of activated, memory and regulatory T cells, and particularly on follicular helper T cells within secondary lymphoid organs. It binds to CD155 and Nectin-2 that appear on dendritic cells (DC) and endothelium. Ligation of TIGIT on T cells down-regulates TCR-mediated activation and subsequent proliferation, while NK cell TIGIT ligation blocks NK cell cytotoxicity. Through CD155 and Nectin-2, which also interact with DNAM-1/CD226 and CD96/Tactile, TIGIT is part of an interacting network of Ig superfamily members that may augment or oppose each other. In particular, TIGIT binding to CD155 can antagonize the effects of DNAM1.

**Form** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

**AA Sequence** Met22-Pro141

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Endotoxin</b>	Less than 0.1 ng/ug (1 EU/ug).
------------------	--------------------------------

<b>Shipping</b>	Ambient
-----------------	---------

## GENE INFORMATION

<b>Gene Name</b>	TIGIT T cell immunoreceptor with Ig and ITIM domains [ Homo sapiens (human) ]
------------------	---

<b>Official Symbol</b>	TIGIT
------------------------	-------

<b>Synonyms</b>	T-cell immunoreceptor with Ig and ITIM domains; VSIG9; VSTM3; TIGIT; V-set and transmembrane domain-containing protein 3; V-set and immunoglobulin domain-containing protein 9; WUCAM
-----------------	---

<b>Gene ID</b>	201633
----------------	--------

<b>mRNA Refseq</b>	NM_173799.4
--------------------	-------------

<b>Protein Refseq</b>	NP_776160.2
-----------------------	-------------

<b>MIM</b>	612859
------------	--------

<b>UniProt ID</b>	Q495A1
-------------------	--------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA