

## 32-8901: Recombinant Mouse T-cell immunoreceptor with Ig and ITIM domains/TIGIT (C-Fc)(Discontinued)

**Gene :** Tigit  
**Gene ID :** 100043314  
**Uniprot ID :** A0A0B4J1G6

### Description

Source: Human Cells.

MW :40.1kD.

Recombinant Mouse T-cell immunoreceptor with Ig and ITIM domains is produced by our Mammalian expression system and the target gene encoding Gly26 - Thr143 is expressed with a Fc tag at the C-terminus. T cell immunoreceptor with Ig and ITIM domains (TIGIT), also called WUCAM, VSIG9 and Vstm3, is a member of the CD28 family within the Ig superfamily of proteins. TIGIT contains an immunoglobulin variable domain, a transmembrane domain and an immunoreceptor tyrosine-based inhibitory motif (ITIM), and is expressed on regulatory, memory, activated T cells and NK cells. TIGIT binds to CD155(PVR) that appear on dendritic cells (DC), macrophages and endothelium with high affinity, and CD112(PVRL2) with lower affinity, but not CD113 (PVRL3). TIGIT-Fc fusion protein could interact with PVR on DC and enhance the secretion of IL-10, but inhibit the macrophage activation. Mice lacking TIGIT show increased T cell responses and susceptibility to autoimmune challenges, while knockdown of TIGIT with siRNA in human memory T cells did not affect T cell responses.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** GTIDTKRNISAEEGGSVILQCHFSSDTAEVTQVDWKQQDQLLAIYSVDLGHVHVASVFSRVRVPGPSLGLTFQSL  
TMNDTGEYFCTYHTYPGGIYKGRIFLKVQESSVAQFQTAPLGGTIEGRMDPEPRGPTIKPCPPCKCPAPNLLGGP  
SVFIFPPKIKDVLMISSLPIVTCVVVDVSEDDPDVQISWVFNNEVHTAQTQTHREDYNSTLRVVSALPIQHQDW  
MSGKEFKCKVNNKDLPAPIERTISKPKGSVRAPQVYVLPPEEEMTKKQVTLTCMVTDMPEDIYVEWTNNGKT  
ELNYKNTEPVLDSDGSYFMYSKLRVEKKNWVERNSYSCSVVHEGLHNHHTTKSFSTRPGK

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.