

# Product Information

## MemDX™ Membrane Protein Human TIGIT (T cell immunoreceptor with Ig and ITIM domains) Full Length

Cat. No.: **MPC3438K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human TIGIT membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

TIGIT

#### Protein Length

Full length

#### Protein Class

Receptor

#### TMD

1

#### Sequence

MRWCLLLIWAQGLRQAPLASGMMTGTIETTGNISAEKGGSIILQCHLSST  
TAQVTQVNWEQQDQLLAICNADLGWHISPSFKDRVAPGPGGLTLQSLTV  
NDTGEYFCIYHTYPDGTYTGRIFLEVLESSVAEHGARFQIPLLGAMAATL  
VVICTAVIVVALTRKKKALRIHSVEGDLRRKSAGQEEWSPSPSPPGSC  
VQAEAAPAGLCGEQRGEDCAELHDYFNVLSYRSLGNCSFFTETG

### Product Description

#### Expression Systems

HEK293

#### Tag

Based on specific requirements

#### Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

#### Form

Liquid

### Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

### Target

#### Target Protein

TIGIT

#### Full Name

T cell immunoreceptor with Ig and ITIM domains

#### Introduction

This gene encodes a member of the PVR (poliovirus receptor) family of immunoglobulin proteins. The product of this gene 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.

#### Alternative Names

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

#### Gene ID

[201633](#)

#### UniProt ID

[Q495A1](#)