

# Product datasheet for PH321447

### TIGIT (NM\_173799) Human Mass Spec Standard

#### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Mass Spec Standards
Description:	TIGIT MS Standard C13 and N15-labeled recombinant protein (NP_776160)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221447
Predicted MW:	26.3 kDa
Protein Sequence:	<pre>&gt;RC221447 protein sequence Red=Cloning site Green=Tags(s)</pre>
	MRWCLLLIWAQGLRQAPLASGMMTGTIETTGNISAEKGGSIILQCHLSSTTAQVTQVNWEQQDQLLAICN ADLGWHISPSFKDRVAPGPGLGLTLQSLTVNDTGEYFCIYHTYPDGTYTGRIFLEVLESSVAEHGARFQI PLLGAMAATLVVICTAVIVVVALTRKKKALRIHSVEGDLRRKSAGQEEWSPSAPSPPGSCVQAEAAPAGL CGEQRGEDCAELHDYFNVLSYRSLGNCSFFTETG
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Tag: Purity:	C-Myc/DDK > 80% as determined by SDS-PAGE and Coomassie blue staining
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Purity: Concentration:	> 80% as determined by SDS-PAGE and Coomassie blue staining >0.05 μg/μL as determined by microplate BCA method
Purity: Concentration: Labeling Method:	> 80% as determined by SDS-PAGE and Coomassie blue staining >0.05 μg/μL as determined by microplate BCA method Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Purity: Concentration: Labeling Method: Buffer:	<ul> <li>&gt; 80% as determined by SDS-PAGE and Coomassie blue staining</li> <li>&gt;0.05 μg/μL as determined by microplate BCA method</li> <li>Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine</li> <li>25 mM Tris-HCl, 100 mM glycine, pH 7.3</li> </ul>
Purity: Concentration: Labeling Method: Buffer: Storage:	<ul> <li>&gt; 80% as determined by SDS-PAGE and Coomassie blue staining</li> <li>&gt;0.05 μg/μL as determined by microplate BCA method</li> <li>Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine</li> <li>25 mM Tris-HCl, 100 mM glycine, pH 7.3</li> <li>Store at -80°C. Avoid repeated freeze-thaw cycles.</li> </ul>
Purity: Concentration: Labeling Method: Buffer: Storage: Stability:	<ul> <li>&gt; 80% as determined by SDS-PAGE and Coomassie blue staining</li> <li>&gt; 0.05 µg/µL as determined by microplate BCA method</li> <li>Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine</li> <li>25 mM Tris-HCl, 100 mM glycine, pH 7.3</li> <li>Store at -80°C. Avoid repeated freeze-thaw cycles.</li> <li>Stable for 3 months from receipt of products under proper storage and handling conditions.</li> </ul>
Purity: Concentration: Labeling Method: Buffer: Storage: Stability: RefSeq:	<ul> <li>&gt; 80% as determined by SDS-PAGE and Coomassie blue staining</li> <li>&gt; 0.05 µg/µL as determined by microplate BCA method</li> <li>Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine</li> <li>25 mM Tris-HCl, 100 mM glycine, pH 7.3</li> <li>Store at -80°C. Avoid repeated freeze-thaw cycles.</li> <li>Stable for 3 months from receipt of products under proper storage and handling conditions.</li> <li><u>NP 776160</u></li> </ul>
Purity: Concentration: Labeling Method: Buffer: Storage: Stability: RefSeq: RefSeq Size:	<ul> <li>&gt; 80% as determined by SDS-PAGE and Coomassie blue staining</li> <li>&gt; 0.05 µg/µL as determined by microplate BCA method</li> <li>Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine</li> <li>25 mM Tris-HCl, 100 mM glycine, pH 7.3</li> <li>Store at -80°C. Avoid repeated freeze-thaw cycles.</li> <li>Stable for 3 months from receipt of products under proper storage and handling conditions.</li> <li>NP 776160</li> <li>2978</li> </ul>
Purity: Concentration: Labeling Method: Buffer: Storage: Stability: RefSeq: RefSeq Size: RefSeq ORF:	<ul> <li>&gt; 80% as determined by SDS-PAGE and Coomassie blue staining</li> <li>&gt; 0.05 µg/µL as determined by microplate BCA method</li> <li>Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine</li> <li>25 mM Tris-HCl, 100 mM glycine, pH 7.3</li> <li>Store at -80°C. Avoid repeated freeze-thaw cycles.</li> <li>Stable for 3 months from receipt of products under proper storage and handling conditions.</li> <li><u>NP 776160</u></li> <li>2978</li> <li>732</li> </ul>



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	TIGIT (NM_173799) Human Mass Spec Standard – PH321447
Cytogenetics:	3q13.31
Summary:	This gene encodes a member of the PVR (poliovirus receptor) family of immunoglobin 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.[provided by RefSeq, Sep 2009]
Protein Families	: Transmembrane

## **Product images:**



Coomassie blue staining of purified TIGIT protein (Cat# [TP321447]). The protein was produced from HEK293T cells transfected with TIGIT cDNA clone (Cat# [RC221447]) using MegaTran 2.0 (Cat# [TT210002]).

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