

TIGIT Protein, Mouse (110a.a, HEK293, His)

Cat. No.:	HY-P72449
Synonyms:	T-cell immunoreceptor with Ig and ITIM domains; TIGIT; V-set and transmembrane domain-containing protein 3; VSTM3
Species:	Mouse
Source:	HEK293
Accession:	NP_001139797 (G26-F135)
Gene ID:	100043314
Molecular Weight:	15-22 kDa

PROPERTIES

AA Sequence	<p> G T I D T K R N I S A E E G G S V I L Q C H F S S D T A E V T Q V D W K Q Q D Q L L A I Y S V D L G W H V A S V F S D R V V P G P S L G L T F Q S L T M N D T G E Y F C T Y H T Y P G G I Y K G R I F L K V Q E S S V A Q F </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	TIGIT protein, characterized by its signaling receptor binding activity, operates upstream of negative regulation of T cell activation. Predicted to be active on the cell surface, this protein, orthologous to human TIGIT (T cell immunoreceptor with Ig and ITIM domains), is associated with the modulation of T cell responses. The expression of TIGIT is biased, with notable levels observed in the large intestine, small intestine, and several other tissues, emphasizing its potential role in immune regulation within these contexts.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA