TREML1 Protein, Human (147a.a, HEK293, His)

Cat. No.:	HY-P71382
Synonyms:	Trem-Like Transcript 1 Protein; TLT-1; Triggering Receptor Expressed on Myeloid Cells-Like Protein 1; TREML1; TLT1
Species:	Human
Source:	HEK293
Accession:	Q86YW5 (Q16-P162)
Gene ID:	340205
Molecular Weight:	Approximately 20.0 kDa

PROPERTIES

AA Sequence	Q G I V G S L P E V L Q A P V G S S I L V Q C H Y R L Q D V K A Q K V W C R F L P E G C Q P L V S S A V D R R A P A G R R T F L T D L G G G L L Q V E M V T L Q E E D A G E Y G C M V D G A R G P Q I L H R V S L N I L P P E E E E E T H K I G S L A E N A F S D P A G S A N P L E P S Q D E K S I P
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. 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	TREML1 (Triggering Receptor Expressed on Myeloid Cells Like 1) is a cell surface receptor that likely plays a role in both innate and adaptive immune responses. When phosphorylated, TREML1 interacts with proteins PTPN6 and PTPN11, indicating its potential involvement in regulating signaling pathways associated with immune processes. This suggests that TREML1 may have a significant impact on immune system function and could be a target for further investigation in understanding immune responses and developing therapeutic interventions.

Caution: Product has not been fully validated for medical applications. For research use only.

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