

TL1A/TNFSF15 Protein, Human

Cat. No.:	HY-P71913
Synonyms:	MGC129934; MGC129935; TL1 A; tl1; tl1a; tnf ligand related molecule 1; TNF ligand-related molecule 1; tnf superfamily ligand tl1a; TNF15_HUMAN; TNFSF15; Tumor necrosis factor ligand; superfamily member 15; Tumor necrosis factor ligand superfamily member 15; Tumor necrosis factor ligand superfamily member 15, secreted form;
Species:	Human
Source:	E. coli
Accession:	O95150 (L72-L251)
Gene ID:	9966
Molecular Weight:	Approximately 20.5 kDa

PROPERTIES

AA Sequence	<p>L K G Q E F A P S H Q Q V Y A P L R A D G D K P R A H L T V V R Q T P T Q H F K</p> <p>N Q F P A L H W E H E L G L A F T K N R M N Y T N K F L L I P E S G D Y F I Y S</p> <p>Q V T F R G M T S E C S E I R Q A G R P N K P D S I T V V I T K V T D S Y P E P</p> <p>T Q L L M G T K S V C E V G S N W F Q P I Y L G A M F S L Q E G D K L M V N V S</p> <p>D I S L V D Y T K E D K T F F G A F L L</p>
Biological Activity	Measured by its ability to induce apoptosis of TF-1 human erythroleukemic cells. The ED ₅₀ for this effect is 3.752 ng/ml, corresponding to a specific activity is 2.665×10 ⁵ units/mg.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm solution of 50 mM Tris-HCL, 300 mM NaCl, pH 8.0.
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 sterile distilled water.
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	TL1A/TNFSF15 Protein acts as the receptor for TNFRSF25 and TNFRSF6B, facilitating the activation of NF-kappa-B and promoting the activation of caspases, leading to apoptosis. Additionally, it exhibits inhibitory effects on vascular endothelial growth and angiogenesis in vitro. The protein functions as a homotrimer, underscoring its role in diverse cellular processes, including immune response and apoptosis regulation.
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Caution: Product has not been fully validated for medical applications. For research use only.

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