

Animal-Free TNFRSF12A Protein, Mouse (His)

Cat. No.:	HY-P700229AF
Synonyms:	TNFRSF12A; Fibroblast growth factor-inducible immediate-early response protein 14; FN14; CD266 antigen and tweak-receptor
Species:	Mouse
Source:	E. coli
Accession:	Q9CR75 (S94-H249)
Gene ID:	27279
Molecular Weight:	Approximately 18.14 kDa

PROPERTIES

AA Sequence	<p> M S A P K G R K A R P R R A I A A H Y E V H P R P G Q D G A Q A G V D G T V S G W E E T K I N S S S P L R Y D R Q I G E F T V I R A G L Y Y L Y C Q V H F D E G K A V Y L K L D L L V N G V L A L R C L E E F S A T A A S S P G P Q L R L C Q V S G L L P L R P G S S L R I R T L P W A H L K A A P F L T Y F G L F Q V H </p>
Biological Activity	Measure by its ability to induce proliferation in HUVEC cells. The ED ₅₀ for this effect is <0.2 µg/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing in 1X PBS, pH 7.4.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
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	<p>The TNFRSF12A protein acts as a receptor for TNFSF12/TWEAK, with a weak ability to induce apoptosis in certain cell types. Additionally, it plays a role in promoting angiogenesis and stimulating the proliferation of endothelial cells. TNFRSF12A may also modulate cellular adhesion to matrix proteins. In its functional interactions, TNFRSF12A associates with TRAF1 and TRAF2, and possibly with TRAF3, indicating its involvement in signaling pathways that contribute to various cellular processes.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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