

TRAIL R2/TNFRSF10B Protein, Human (HEK293)

Cat. No.:	HY-P7307
Synonyms:	rHuTRAILR-2/TNFRSF10B; CD262; DR5; KILLER
Species:	Human
Source:	HEK293
Accession:	O14763 (A54-E182)
Gene ID:	8795
Molecular Weight:	Approximately 16.22 kDa

PROPERTIES

AA Sequence	<p> A L I T Q Q D L A P Q Q R A A P Q Q K R S S P S E G L C P P G H H I S E D G R D C I S C K Y G Q D Y S T H W N D L L F C L R C T R C D S G E V E L S P C T T T R N T V C Q C E E G T F R E E D S P E M C R K C R T G C P R G M V K V G D C T P W S D I E C V H K E </p>
Biological Activity	<p>1. The ED₅₀ is <6 ng/mL as measured by RPMI-8226 cells, corresponding to a specific activity of >1.0 × 10⁶ units/mg.</p> <p>2. Measured by its ability to inhibit TRAIL-mediated cytotoxicity using A549 cells treated with TRAIL. The ED₅₀ for this effect is 43.96 ng/mL, corresponding to a specific activity is 2.275×10⁴ units/mg.</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, 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.
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>TNFRSF10B can be activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL/APO-2L), and transduces apoptosis signal. TNFRSF10B inhibits tumor formation through apoptosis but deregulation encourages metastasis, migration and invasion of tumor cell tissues^[1].</p>
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REFERENCES

[1]. Tahir RA, et al. Tumor necrosis factor receptor superfamily 10B (TNFRSF10B): an insight from structure modeling to virtual screening for designing drug against head and neck cancer. Theor Biol Med Model. 2013 Jun 1;10:38.

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

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