

## TRAIL/Apo2L Protein, Human

<b>Cat. No.:</b>	HY-P7306
<b>Synonyms:</b>	rHuTRAIL/Apo2L; TNFSF10; CD253
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	P50591 (V114-G281)
<b>Gene ID:</b>	8743
<b>Molecular Weight:</b>	Approximately 20 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> M V R E R G P Q R V   A A H I T G T R G R   S N T L S S P N S K   N E K A L G R K I N S W E S S R S G H S   F L S N L H L R N G   E L V I H E K G F Y   Y I Y S Q T Y F R F Q E E I K E N T K N   D K Q M V Q Y I Y K   Y T S Y P D P I L L   M K S A R N S C W S K D A E Y G L Y S I   Y Q G G I F E L K E   N D R I F V S V T N   E H L I D M D H E A S F F G A F L V G           </pre>
<b>Biological Activity</b>	The ED <sub>50</sub> is <40 ng/mL as measured by RPMI-8226 cells, corresponding to a specific activity of >2.5 × 10 <sup>4</sup> units/mg.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized after extensive dialysis against PBS.
<b>Endotoxin Level</b>	<0.2 EU/μg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O or PBS.
<b>Storage &amp; Stability</b>	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	Apo2L/TRAIL is one of several members of the TNF gene superfamily that induce apoptosis through engagement of death receptors <sup>[1]</sup> . TRAIL and its receptors have been used as the targets of several anti-cancer therapeutic. TRAIL has also been implicated as a pathogenic or protective factor in various pulmonary diseases, particularly pulmonary arterial hypertension [2].
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## REFERENCES

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- [1]. Almasan A, et al. Apo2L/TRAIL: apoptosis signaling, biology, and potential for cancer therapy. Cytokine Growth Factor Rev. 2003 Jun-Aug;14(3-4):337-48.
- [2]. Braithwaite, Adam T, et al. "Divergent Roles for TRAIL in Lung Diseases". Frontiers in Medicine. Allan (2018)
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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