

# Recombinant Human TRAIL (TNF-Related Apoptosis Inducing Ligand/Apo2 Ligand)








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Rev. 1.00

<b>Catalog Number:</b>	PHC1634
<b>Quantity:</b>	50 µg
<b>Lot Number:</b>	See product label.
<b>Molecular Weight:</b>	19.6 kDa, 168 amino acid residues.
<b>Purity:</b>	≥98% by SDS-PAGE and HPLC analyses.
<b>Biological Activity:</b>	ED <sub>50</sub> = 1.0–3.0 ng/mL, determined by dose-dependent induction of apoptosis with U343MG cells. TRAIL, a member of the TNF ligand superfamily, induces apoptosis in tumor cells but not normal cells. TRAIL is expressed by the cells of many tissues, including thymus, spleen, lung, kidney, and others. This recombinant protein corresponds to the TNF-like portion of TRAIL's extracellular domain.
<b>Formulation:</b>	Lyophilized from a solution containing 0.3 mg/mL TRAIL, 10 mM sodium phosphate, pH 7.2, plus 110 mM NaCl. Filtered through a 0.2 micron filter prior to lyophilization.
<b>Endotoxin:</b>	<0.1 ng/µg
<b>Production:</b>	Produced in <i>E. coli</i> and purified by sequential chromatography.
<b>Reconstitution Recommendation:</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile, distilled water to a concentration of 0.5–1.0 mg/mL. <i>Do not vortex</i> . This solution can be stored at 2°C to 8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein, such as 0.1% BSA and store in working aliquots at –20°C to –80°C.
<b>Suggested Working Dilutions:</b>	The optimal concentration should be determined for each specific application.
<b>Storage:</b>	The lyophilized protein is stable at room temperature for 1 month, but should be kept at –20°C for long term storage, preferably desiccated. Working aliquots stored with a carrier protein are stable for at least 12 months at –20°C to –80°C. Avoid repeated freeze/thaw cycles.
<b>Expiration Date:</b>	See product label.

## Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description
	Catalog Number
	Research Use Only
	Use by
	Manufacturer
	Without, does not contain
	Protect from light
	Directs the user to consult instructions for use (IFU), accompanying the product.

Symbol	Description
	Batch code
	In vitro diagnostic medical device
	Temperature limitation
	European Community authorized representative
	With, contains
	Consult accompanying documents

### Limited Use Label License: Research Use Only

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