

**Recombinant Murine TRAIL**  
**Catalog # PBG10460****Specification**

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**Recombinant Murine TRAIL - Product Information****Recombinant Murine TRAIL - Additional Information****Description**

TRAIL is a cytotoxic protein, which activates rapid apoptosis in tumor cells, but not in normal cells. TRAIL induced apoptosis is achieved through binding to two death-signaling receptors, DR4 and DR5. These receptors belong to the TNFR superfamily of transmembrane proteins and contain a cytoplasmic "death domain", which activates the cell's apoptotic machinery. Recombinant murine TRAIL is a 174 amino acid polypeptide (20.0 kDa), consisting of the TNF homologous portion of the extracellular domain of the full length TRAIL protein.

**Biological Activity**

**Assay#1:** Determined by the dose-dependent stimulation of MIP-2 production by M spleen cells using a concentration range of 10-100 ng/ml.   
 **Assay#2:** Measured by its ability to induce apoptosis in LN-18 cells (human glioblastoma cells). The expected **ED<sub>50</sub>** for this effect is 40.0-60.0 ng/ml.

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Recombinant Murine TRAIL is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Murine TRAIL - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Recombinant Murine TRAIL - Images**