

**TRAIL, murine recombinant protein**  
**TNF-related apoptosis-inducing Ligand, TNFSF10, Apo2 Ligand, TL2**  
**Catalog # PBV10835r**

**Specification**

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**TRAIL, murine recombinant protein - Product info**

Primary Accession [P50592](#)  
Calculated MW **20.0 kDa KDa**

**TRAIL, murine recombinant protein - Additional Info**

Gene ID **22035**  
Gene Symbol **TRAIL**  
**Other Names**  
TNF-related apoptosis-inducing Ligand, TNFSF10, Apo2 Ligand, TL2

Gene Source **Murine**  
Source **E. Coli**  
Assay&Purity **SDS-PAGE; ≥95%**  
Assay2&Purity2 **HPLC;**  
Recombinant **Yes**  
Sequence **MRGGRPQKVA AHITGITRRS NSALIPISKD  
GKTLGQKIES WESSRKGHSF LNHVLFNRNGE  
LVIEQEGLYY IYSQTYFRFQ EAEDASKMVS  
KDKVRTKQLV QYIYKYTSYP DPIVLMKSAR  
NSCWSRDAEY GLYSIQGGL FELKKNDRI  
VSVTNEHLMD LDQEASFFGA FLIN**

**Target/Specificity**  
TRAIL

**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

**Format**

Lyophilized powder

**Storage**

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Sodium Phosphate, pH 7.0

**TRAIL, murine recombinant protein - 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](#)

**TRAIL, murine recombinant protein - Images****TRAIL, murine recombinant protein - Background**

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.

**TRAIL, murine recombinant protein - References**

Wiley S.R., et al. Immunity 3:673-682(1995).