

## 32-20488: Recombinant Human sTRAIL/Apo2L(Discontinued)

**Reactivity :** Chicken, Human, Mouse,

**Alternative Name :** TNF-Related Apoptosis-Inducing Ligand, TNFSF10, Apo2 Ligand, TL2

### Description

**Source:** **E.coli**TRAIL/Apo2L 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. The full length human TRAIL/Apo2L is a 281 amino acid protein, consisting of a 17 amino acid cytoplasmic domain, a 21 amino acid transmembrane domain, and a 243 amino acid extracellular domain. Recombinant Human soluble TRAIL/Apo2L is a 168 amino acid polypeptide (19.6 kDa), consisting of the TNF-homologous portion of the extracellular domain of the full length TRAIL/Apo2L protein.

### Product Info

**Amount :** 10 µg / 50 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** MRERGPQRVA AHITGTRGRS NTLSSPNSKN EKALGRKINS WESSRSGHSF LSNLHLRNGE LVIHEKGFYY  
IYSQTYFRFQ EEIKENTKND KQMVQYIYKY TSYDPILLM KSARNSCWSK DAEYGLYSIY QGGIFELKEN  
DRIFVSVTNE HLIDMDHEAS FFGAFLVG

### Application Note

Assay#1: Determined by its ability to induce apoptotic cell death in TRAIL-sensitive U343MG cells. The expected  $ED_{50}$  for this effect is 1.0-3.0 ng/ml. Assay#2: Measured by its ability to induce apoptosis in LN-18 cells (human glioblastoma cells). The expected  $ED_{50}$  for this effect is 0.8 - 2.0 ng/ml.