

# sTRAIL Receptor-1/DR4, human recombinant

**CATALOG #:** 7206-10 10 µg  
7206-50 50 µg

**ALTERNATE NAMES:** soluble TRAIL Receptor-1, DR4, TNFRSF10A, Apo2

**SOURCE:** E coli

**PURITY:** ≥ 98% by SDS-PAGE gel and HPLC analyses

**MOL. WEIGHT:** 22.7 kDa

**ENDOTOXIN LEVEL:** < 0.1 ng/µg of protein (<1EU/µg).

**FORM:** Lyophilized

**FORMULATION:** Sterile filtered through a 0.2 micron filter. Lyophilized with no additives.

**STORAGE CONDITIONS:** Store at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

**RECONSTITUTION:**  
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.

**DESCRIPTION:**  
TRAIL Receptor-1/DR4 and TRAIL Receptor-2/DR5 belong to the TNFR superfamily of transmembrane proteins and contain a cytoplasmic “death domain,” which can activate the cell’s apoptotic machinery. These receptors are activated by binding to either membrane anchored or soluble TRAIL/Apo2L. Recombinant human soluble TRAIL Receptor-1/DR4 is a 22.7 kDa protein (215 amino acid residues) consisting of the TNFR homologous, cysteine rich portion of the extracellular domain.

**AMINO ACID SEQUENCE:**

MSGTGAAAAT PSKVWGSSAG RIEPRGGGRG ALPTSMGQHG PSARARAGRA  
 PGPRPAREAS PRLRVHKTFK FVVVGVLLQV VPSSAATIKL HDQSIGTQQW  
 EHSPLGELCP PGSHRSERP G ACNRCTEGVG YTNASQQLFA CLPCTACKSD  
 EEERSPCTTT RNTACQCKPG TFRNDNSAEM CRKCSTGCPR GMVKVKDCTP  
 WSDIECVHKE SGNHGN

**BIOLOGICAL ACTIVITY:**

Measured by its ability to inhibit apoptosis in LN-18 cells. The expected ED<sub>50</sub> for this effect is 0.4 -0.5 µg/ml.

**RELATED PRODUCTS:**

- TRAIL, murine recombinant (Cat # 7205-10, -50)
- TRAIL/Apo2L, human recombinant (Cat # 4354-10, -50, -1000)
- TRAIL Antibody (Cat # 3045-100)
- TRAIL Antibody (Cat # 5354-100)
- DR4 Antibody (Cat # 3061A-100)
- DR4 Antibody (Cat # 3061R-100)
- DR5 Antibody (Cat # 3062-100)

**FOR RESEARCH USE ONLY! Not to be used in humans.**