

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 PSKVVWGSSAG 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 ED₅₀ 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.