

TNFRSF10B

Recombinant Human Soluble Tumor Necrosis Factor-Related Apoptosis-inducing Ligand Receptor-2

Catalog No.	CRT502A CRT502B CRT502C	Quantity:	10 µg 50 µg 1 mg
Alternate Names:	CD262, DR5, KILLER, KILLER/DR5, TRAIL-R2, TRAILR2, TRICK2, TRICK2A, TRICK2B, TRICKB, ZTNFR9, tumor necrosis factor receptor superfamily member 10B, Fas-like protein, death receptor 5		
Description:	<p>Tumor necrosis factor-related apoptosis-inducing ligand Receptor 2 (TRAIL-R2) is a cell-surface receptor involved in tumor necrosis factor-related apoptosis-inducing ligand (TRAIL)-induced cell-death signaling. The death ligand TRAIL bears high potential as a new anticancer agent because binding to the death receptors TRAIL-R1 or TRAIL-R2 triggers apoptosis in most cancer cells. TRAIL-R2 has been shown to be associated with a decrease in the survival rates of breast cancer patients.</p> <p>Recombinant Human TRAIL-R2/TNFRSF10B is a single, non-glycosylated polypeptide chain containing 132 amino acids.</p>		
Gene ID:	8795		
Source:	<i>E. coli</i>		
Molecular Weight:	14.8 kDa		
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.		
Purity:	>97% as determined by HPLC and SDS-PAGE		
Endotoxin Level:	< 1EU/µg as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The ED ₅₀ determined by its ability to inhibit TRAIL-mediated cytotoxicity using mouse L929 cells treated with TRAILI is less than 2 ng/ml,		
Specific Activity:	≥5.0 × 10 ⁵ IU/mg.		
Amino Acid Sequence:	ESALITQQDL APQQRAPQQ KRSSPSEGLC PPGHHISEDG RDCISCKYGQ DYSTHWNDLL FCLRCTRCDG GEVELSPCTT TRNTVCQCEE GTFREEDSPE MCRKCRGTGCP RGMVKVGDCT PWSDIECVHK ES		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2-4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

