

32-6573: TNFRSF10A Human Fc

Application :	Functional Assay
Alternative Name :	Tumor Necrosis Factor Receptor Superfamily Member 10a, TRAILR1, APO2, DR4, TNF-Related Apoptosis-Inducing Ligand Receptor 1, Death Receptor 4, TRAIL Receptor 1, TRAIL-R1, Tumor Necrosis Factor Receptor Superfamily Member 10a Variant 2, Tumor Necrosis Factor Receptor Superfamily Member 10A, Cytotoxic TRAIL Receptor, CD261 Antigen, TRAILR-1, CD261, TNFRSF10A.

Description

Source: Escherichia Coli.

Sterile Filtered White lyophilized (freeze-dried) powder.

Human TNFRSF10A is a type 1 transmembrane protein in the TNF R superfamily. TNFRSF10A is not expressed in rodents. The trimeric ligand Trail binds TNFRSF10A and induces apoptosis, and recombinant, soluble forms of the receptor inhibit Trail-induced apoptosis. TNFRSF10A is expressed generally in damaged, infected, and malignant cells. TNFRSF10A functions in immune surveillance, inducing apoptosis in cancer cells but not normal cells.

TRAIL R1 Fc Human Recombinant (24-240) produced in E.Coli is a non-glycosylated, disulfide-linked homodimer containing two polypeptide chains of 217 amino acids each and having a molecular mass of 41kDa [including tag] each chain. TRAILR1 is fused to a 236 amino acid Fc tag at C-terminal and purified by proprietary chromatographic techniques.

Product Info

Amount :	10 µg / 50 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE. Lyophilized from a 0.2µm filtered solution in PBS.
Content :	It is recommended to reconstitute the lyophilized TNFRSF10A in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Storage condition :	Lyophilized TNFRSF10A although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TRAIL-R1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	ASGTEAAAAT PSKVVWGSSAG RIEPRGGGRG ALPTSMGQHG PSARARAGRA PGPRPAREAS PRLRVHKTFK FVVVGVLLQV VPSSAATIKL HDQSIGTQQW EHSPLGELCP PGSHRSERPG ACNRCTEGVG YTNASNNLFA CLPCTACKSD EEERSPCTTT RNTACQCKPG TFRNDNSAEM CRKCSTGCPR GMVKVKDCTP WSDIECVHKE SGNGHNIEGR MDPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS RDELTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSDGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKSLSLS PGK.

Application Note

The ED₅₀, as measured by its ability to inhibit Trail-mediated cytotoxicity in mouse L-929 cells, is less than 1.25ng/ml.