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32-12330: Human TRAIL

Gene :	TNFSF10
Gene ID :	8743
Uniprot ID :	P50591
Alternative Name :	Tumor necrosis factor ligand superfamily member 10, Apo-2 ligand, Â Â TNF-related apoptosis-inducing ligand, Protein TRAILÂ , CD253

Description

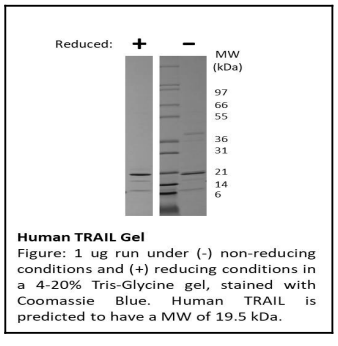
Source: Genetically modified E.coli.
Predicted MW:Â Monomer, 19.5 kDa (168 aa)
Tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) is a member of the tumor necrosis factor (TNF) family of cytokines. Â TRAIL is widely produced by a variety of cell types including tumor cells, smooth muscle of the lung and spleen, cerebellar glial cells, and thyroid follicular cells. Â TRAIL is a cytotoxic protein that induces apoptosis in tumor cells through the activation of the death receptors DR4 and DR5. Â TRAIL also binds the neutralizing decoy receptors, DcR1 and DcR2. Human TRAIL is active on mouse cells. Â

Product Info

Amount :	50 µg / 100 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 90%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5 Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	MRERGPQRVA AHITGTRGRS NTLSSPNSKN EKALGRKINS WESSRSGHSF LSNLHLRNGE LVIHEKGFYY IYSQTYFRFQ EEIKENTKND KQMVQYIYKY TSYPDPILLM KSARNSCWSK DAEYGLYSIY QGGIFELKEN DRIFVSVTNE HLIDMDHEAS FFGAFLVG

Application Note

Endotoxin: Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.
Biological Activity was determined by Bioactive protein. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80Ã□Â°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.



Human TRAIL Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human TRAIL is predicted to have a MW of 19.5 kDa.

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