Recombinant Human TRAIL (TNFSF10)

Cat No:HR2R2030

For research use only

Overview

Quantity	10 ?g
Gene Symbol	TNFSF10
Gene ID	8743
Accession	P50591
Alternative Name	TRAIL, Tumor necrosis factor (Ligand) family member 10, TNFSF10, Apo2 Ligand, TL2 Recombinant Human TNF-Related Apoptosis-Inducing Ligand (TNFSF10)
Species	Human
Source	E. coli
Description	A cytotoxic protein, TRAIL initiates apoptosis in tumor cells by binding the death-signalling receptors; DR4 and DR5. In its active conformation, TRAIL forms homotrimers. TRAIL transcripts have been shown to be constitutively expressed in a variety of human tissues. There are five known TRAIL receptors: two which transduce apoptotic signals, two which function as decoys to block TRAIL-induced apoptosis and osteoptotegrin.
Functions	N.A.
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS with BSA as a carrier protein.
Solubility	Reconstitute at 20 ?g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin
Appearance	Lyophilized Powder
Molecular Weight	19.5
Purity	>95% as determined by SDS-PAGE
Concentration	< 1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.