

Recombinant Human TNFRSF10B

Cat No:HR2R2016

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	TNFRSF10B
Gene ID	8795
Accession	O14763
Alternative Name	Tumor necrosis factor receptor superfamily member 10B, Death receptor 5, TRAIL receptor 2, TRAIL-R2, CD262, TNF-related apoptosis-inducing ligand receptor 2
Species	Human
Source	E. coli
Description	TNFRSF10B is a member of the TNFR superfamily and is a cell surface receptor that is involved in apoptosis. It contains an intracellular death domain and can be activated by binding to either membrane-anchored or soluble TRAIL/Apo2L. Diseases associated with TNFRSF10B include squamous cell carcinoma, head and neck and oral cavity cancer. Among its related pathways are Akt Signaling and Akt Signaling. It is closely related to TRAIL R1/DR4, sharing 55% amino acid sequence identity.
Functions	The ED(50) was determined by the dose-dependent proliferation of human umbilical vein endothelial cells and was found to be 0.2ng/mL.
Formulation	Lyophilized from a solution in PBS (pH 7.4) with 5% Mannitol, 5% Trehalose and 0.02% Tween 80.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	15
Purity	>95% as determined by SDS-PAGE
Concentration	<math><1.0\text{ EU/?g}</math> 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 $2^{\circ} - 8^{\circ}\text{C}$ for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.