



Recombinant Human TWEAK Receptor (TNFRSF12A)

Cat No:HR2R2045

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	TNFRSF12A
Gene ID	51330
Accession	Q9NP84
Alternative Name	Fibroblast growth factor-inducible immediate-early response protein 14, Tweak-receptor, CD-antigen: CD266
Species	Human
Source	<i>E. coli</i>
Description	Tumor necrosis factor receptor superfamily member 12A (TNFRSF12A) is the receptor for TNFSD12/TWEAK and is the smallest member of the TNF receptor superfamily. It is composed of a signal peptide, an extracellular domain, a membrane-anchoring domain, and a cytoplasmic ?death? domain, which can activate a cell?s apoptotic mechanisms. It also promotes endothelial cell proliferation and angiogenesis, and modulates cellular adhesion to matrix proteins. TNFRSF12A expression can be found in the spleen, thymus, small intestine, and colon, and can be activated by membrane-anchored or soluble versions of TWEAK.
Functions	The ED(50) was determined by the dose-dependent proliferation of human umbilical vein endothelial cells and was found to be $\leq 0.2\text{ng/mL}$.
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS
Solubility	N/A
Appearance	Lyophilized Powder
Molecular Weight	5.6
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.