



RECOMBINANT HUMAN TWEAK

CATALOG NUMBER:	GF102	QUANTITY:	25 µg
LOT NUMBER:			
DESCRIPTION:	Human TWEAK is a new secreted ligand in the tumor necrosis factor family that weakly induces apoptosis. TWEAK, like many members of the TNF family, was able to induce interleukin-8 synthesis in a number of cell lines. GF102 is a 17.0 kDa protein, comprising the TNF-like extracellular domain of TWEAK.		
SOURCE:	<i>E. coli</i>		
PURITY:	Greater than 98% by SDS-PAGE and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1EU/µg) of TWEAK.		
BIOLOGICAL ACTIVITY:	GF102 is fully biologically active when compared to standards. The ED ₅₀ as determined by the dose-dependent stimulation of IL-8 production by Human PBMC is less than 10ng/ml. GF102 weakly induces the death of HT29 cells when cultured in the presence of IFN-γ. The ED ₅₀ for this effect is between 30-45 ng/ml.		
PRESENTATION:	Sterile filtered and then the protein was lyophilized from 10 mM Na ₂ HPO ₄ , pH 7.5 + 0.1 M L-Arg.		
STORAGE/HANDLING:	The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Freeze/thaw cycles will result in significant loss of activity. After a quick spin, reconstitute in 10 mM Na ₂ HPO ₄ , pH 7.5 to a concentration of 1 mg/ml. This solution can be diluted into other buffer solutions or stored at -20°C. Reconstituted TWEAK should be stored at -20°C or lyophilized in working aliquots.		

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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