9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

VEGI Human

Human Vascular Endothelial Growth Inhibitor Recombinant
GRF0428

Product Overview

Name	VEGI Human
Description	
Human Vascular Endothelial Growth Inhibitor Recombinant	
Accession (Primary)	O95150
Synonyms	
Tumor necrosis factor ligand superfamily member 15, TNFSF-15, TNFSF15, TNF ligand-related molecule 1, VEGI, TL-1, TL1, TL1A, VEGI192A, VEGI-192, MGC129934, MGC129935.	
Introduction	
TNFSF15 is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is abundantly expressed in endothelial cells, but is not expressed in either B or T cells. The expression of TNFSF15 is inducible by TNF and IL-1 alpha. This cytokine is a ligand for receptor TNFRSF25 and decoy receptor TNFRSF21/DR6. It can activate NF-kappaB and MAP kinases, and acts as an autocrine factor to induce apoptosis in endothelial cells. TNFSF15 is also found to inhibit endothelial cell proliferation, and thus may function as an angiogenesis inhibitor. An additional isoform encoded by an alternatively spliced transcript variant has been reported but the sequence of this transcript has not been determined.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The TNFSF15 was lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4 with 0.02% Tween-20.	
Stability	
TNFSF15 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution VEGI should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MQLTKGRLHFSHPLSHTKHISPFVTDAPLRADGDKPRAHL

TVVRQTPTQHFKNQFPALHWEHELGLAFTKNRMNYTNKF

LLIPESGDYFIYSQVTFRGMTSECSEIRQAGRPNKPDSIT VVITKVTDSYPEPTQLLMGTKSVCEVGSNWFQPIYLGAM

FSLQEGDKLMVNVSDISLVDYTKEDKTFFGAFLL.

Biological Activity

The ED50 as determined by its ability to induce apoptosis using human TF-1 cells is less than 20ng/ml, corresponding to a specific activity of > 5.0×10 4 IU/mg.

Solubility

It is recommended to reconstitute the lyophilized TNFSF15 in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

VEGI Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O95150)