
Product Data Sheet

Product Name: VEGI Human, His
 Cat. No.: GP21058
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MLKGQEFAPS HQQVYAPLRA DGDKPRAHLT VVRQTPTQHF KNQFPALHWE HELGLAFTKN RMNYTNKFL IPESGDYFIY SQVTFRGMTS ECSEIRQAGR PNKPDSITVV ITKVTDSTYPE PTQLLMGTKS VCEVGSNWFQ PIYLGAMFSL QEGDKLMVNV SDISLVDYTK EDKTFFGAFL L		
Formulation	The VEGI solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 50% glycerol, 1mM DTT and 0.2M NaCl.		

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

VEGI Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 201 amino acids(72-251a.a.) and having a molecular mass of 22.7kDa. The VEGI is purified by proprietary chromatographic techniques.

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