

## VEGI Human, His

**Description:** 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.

Catalog #:CYP5-596

For research use only.

**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.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MLKGQEFAPS HQQVYAPLRA  
DGDKPRAHLT VVRQTPTQHF KNQFPALHWE HELGLAFTKN RMNYTNKFLI IPESGDYFIY  
SQVTFRGMTS ECSEIRQAGR PNKPDSITVV ITKVTDSYPE PTQLLMGTKS VCEVGSNWFQ  
PIYLGAMFSL QEGDKLMVNV SDISLVDYTK EDKTFFGAFL L

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

### Formulation:

The VEGI solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 50% glycerol, 1mM DTT and 0.2M NaCl.

### Stability:

VEGI should be stored desiccated 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.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### 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.

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