

## Human Vascular Endothelial Growth Inhibitor Recombinant

<b>Item Number</b>	rAP-2503
<b>Synonyms</b>	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.
<b>Description</b>	TNFSF15 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 180 amino acids and having a molecular mass of 20.5kDa. The TNFSF15 is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	O95150
<b>Amino Acid Sequence</b>	MQLTKGRLHFSHPLSHTKHISPFVT- DAPLRADGDKPRAHLTVVRQTPTQHFKNQFPALHWEHELGLAFTKNRMNYTNKFLIPESGDYFIYSQVTF RGM TSECSEIRQAGRPNKPD SITVVITKV TDSYPEPTQLLMGTKSVCEVGSNWFQPIYLGAMFSLQEGDKL MVNVSDISLVDYTKEDKTFFGAFLL.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
<b>Formulation and Purity</b>	The TNFSF15 was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4 with 0.02% Tween-20. Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized TNFSF15 in sterile 18MΩ-cm H <sub>2</sub> O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The ED <sub>50</sub> 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 <sup>4</sup> IU/mg.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**