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32-1847: VEGI Recombinant Protein

Alternative Name :	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.

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The TNFSF15 was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4 with 0.02% Tween-20.
Storage condition :	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.
Amino Acid :	MQLTKGRLHFSHPLSHTKHISPFVTDAPLRADGDKPRAHLTVVRQTPTQHFKNQFPALHWEHELGLAFTKNRM NYTNKFLLIPESGDYFIYSQVTFRGMTSECSEIRQAGRPNKPDSITVVITKVTDSYPEPTQLLMGTKSVCEVGSN WFQPIYLGAMFSLQEGDKLMVNVSDISLVDYTKEDKTFFGAFLL.

Application Note

It is recommended to reconstitute the lyophilized TNFSF15 in sterile 18MÃ□Â©-cm H2O not less than 100 Ã□Âµg/ml, which can then be further diluted to other aqueous solutions. 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 > 5.0Ã□â□□104 IU/mg.