

Active Recombinant Human TNFSF15 Protein (Gln58-Leu251), C-His tagged, Animal-free, Carrier-free

Cat. No. TNFSF15-326H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF15 Protein (Gln58-Leu251) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Gln58-Leu251
Description	TL1A also known as VEGI and TNFSF15, which belongs to TNF ligand superfamily. TL1A is a 28 kDa type II membrane protein containing 251 residues that predominantly expressed in endothelial cells. TL1A is able to promote NFκB activation in cells by interacting with DR3. Besides, TL1A can also induces cell apoptosis through activating caspases. Additionally, the responsiveness of IL-2 from activated T cells has been shown to induce by TL1A treatment.
Form	Lyophilized
Bio-activity	Measure by its ability to induce TF-1 cells proliferation. The ED50 for this effect is < 0.2 ng/mL.
Molecular Mass	The protein has a calculated MW of 22.95 kDa. The protein migrates as 24 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 2 weeks under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	TNFSF15 tumor necrosis factor (ligand) superfamily, member 15 [Homo sapiens (human)]
Official Symbol	TNFSF15
Synonyms	TNFSF15; tumor necrosis factor (ligand) superfamily, member 15; tumor necrosis factor ligand superfamily member 15; MGC129934; MGC129935; TL1; TL1A; TNF ligand related molecule 1; TNF superfamily ligand TL1A; vascular endothelial cell growth inhibitor; vascular endothelial growth inhibitor 192A; VEGI; VEGI192A; TNF ligand-related molecule 1; vascular endothelial growth inhibitor-192A;

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Gene ID	9966
mRNA Refseq	NM_001204344
Protein Refseq	NP_001191273
MIM	604052
UniProt ID	O95150

**SDS-PAGE analysis
of recombinant
human TL1A.**

