# Recombinant Human TNFSF15

**Cat No:HR2R2025**

For research use only

## Overview

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|---|---|
| Quantity | 250 ?g |
| Gene Symbol | TNFSF15 |
| Gene ID | N/A |
| Accession | N/A |
| Alternative Name | TL1, VEGI |
| Species | Human |
| Source | E. coli |
| Description | TNFSF15 is a type II transmembrane protein which is predominantly expressed in endothelial cells. It has a single transmembrane domain, a small cytoplasmic domain and an extracellular C-terminus. Its expression is stimulated by TNFA and IL1A. TNFSF15 acts as the ligand for the receptor protein TNFRSF25 which is primarily found in activated T cells. It also has an affinity to the decoy receptor protein TNFRSF6B. Binding of this cytokine to its receptor can activate the transcription factor NF-Kappa-B and MAP Kinases. It has been found that TNFSF15 can also induce apoptosis by acting as an autocrine factor and inhibit endothelial cell proliferation. Recombinant Human TNFSF15 herein refers to the secreted form of the protein. |
| Functions | The ED(50) was determined by the dose-dependent proliferation of Jurkat cells and was found to be <0.5ng/mL. |
| Formulation | Lyophilized from a 0.2 micron filtered solution in Tris and salt |
| Solubility | A quick spin of the vial followed by reconstitution in sterile distilled water to a concentration not less than 0.1 mg/mL is recommended. This solution can then be diluted into other buffers. |
| Appearance | Lyophilized Powder |
| Molecular Weight | N/A |
| Purity | >95% as determined by SDS-PAGE |
| Concentration | <1.0 EU/?g of recombinant protein as determined by the LAL method |
| Shipping Condition | Ambient Temperature |
| Storage Condition | The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles. |