

## Human VEG-I

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.

**PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING**

Size	Order #	Lot #	Expiry Date
5 µg	2017.950.005		
20 µg	2017.950.020		
1 mg	2017.950.199		

Please enquire for bulk quantities and other vial sizes

### Description

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.

- **Biological Activity**  $\geq 5 \times 10^4$  IU/mg
- **Source** *E. Coli*
- **Purity**  $\geq 95$  % (SDS-PAGE, RP-HPLC)
- **Endotoxin level**  $\leq 0.1$ ng/µg ( $\leq 1$ EU/µg)
- **Buffer** The TNFSF15 was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4 with 0.02% Tween-20\*
- **Physical state** Sterile filtered, lyophilized

### Biological Activity

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  $> 5.0 \times 10^4$  IU/mg.

### Reconstitution

It is recommended to reconstitute the lyophilized TNFSF15 in sterile 18MO-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

### Stability

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 avoid repeated freeze-thaw cycles.**

### Amino Acid Sequence

MQLTKGRLHF SHPLSHTKHI SPFVTDAPLR ADGDKPRAHL TVVRQTPTQH FKNQFPALHW EHELGLAFTK  
 NRMNYTNKFL LIPESGDYFI YSQVTFRGMT SECSEIRQAG RPNKPDSITV VITKVTDSPY EPTQLLMGTK  
 SVCEVGSNWF QPIYLGAMFS LQEGDKLMVN VSDISLVDYT KEDKTFFGAF LL

**Usage:** For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

\*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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