Recombinant Human TNF Ligand-related Molecule 1/TNFSF15 (rHuTL-1A/TNFSF15)

PrimeGene Technical Data Sheet

Catalog Number:	103-22
Source:	*Escherichia coli.*
Molecular Weight:	Approximately 20.5 kDa, a single non-glycosylated polypeptide chain containing 180 amino acids.
Quantity:	5μg/20μg/1000μg
AA Sequence:	LKGQEFAPSH QQVYAPLRAD GDKPRAHLTV VRQTPTQHFK NQFPALHWEH ELGLAFTKNR MNYTNKFLLI PESGDYFIYS QVTFRGMTSE CSEIRQAGRP NKPDSITVVI TKVTDSYPEP TQLLMGTKSV CEVGSNWFQP IYLGAMFSLQ EGDKLMVNVS DISLVDYTKE DKTFFGAFLL
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The ED_{50} as determined by its ability to induce apoptosis using human TF-1 cells is less than 20 ng/ml, corresponding to a specific activity of > 5.0×10^4 IU/mg.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4, with 0.02% Tween-20.
Endotoxin:	Less than 0.1 EU/μg of rHuTL-1A/TNFSF15 as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. **NOT FOR HUMAN USE**.

Human TNF Ligand-related Molecule 1/TNFSF15

TL-1A is a type II transmembrane protein belonging to the TNF superfamily and has been designated TNF superfamily member 15 (TNFSF15). TL-1A is predominantly expressed in endothelial cells and its expression is inducible by TNF-α and IL-1α. TL-1A binds with high affinity to death receptor 3 (DR3), known as TNFRSF25. Depending on the cell context, ligation of DR3 by TL-1A can trigger one of two signaling pathways, activation of the transcription factor NF-kB, or activation of caspases and apoptosis. Recombinant human TL-1A is a 20.5 kDa polypeptide of 180 amino acid residues.

Shanghai PrimeGene Bio-Tech Co., Ltd.
Website: www.primegene.com.cn
Tel: +86 21 52380373
Website: www.primegene.com
Fax: +86 21 61077348
Email: info.pg@bio-techne.com