Recombinant Murine soluble A Proliferation-inducing Ligand/TNFSF13 (rMusAPRIL/TNFSF13)

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	123-20
Source:	*Escherichia coli.*
Molecular Weight:	Approximately 16.4 kDa, a single non-glycosylated polypeptide chain containing 146 amino acids.
Quantity:	5μg /20μg /1000μg
AA Sequence:	AVLTQKHKKK HSVLHLVPVN ITSKADSDVT EVMWQPVLRR GRGLEAQGDI VRVWDTGIYL LYSQVLFHDV TFTMGQVVSR EGQGRRETLF RCIRSMPSDP DRAYNSCYSA GVFHLHQGDI ITVKIPRANA KLSLSPHGTF LGFVKL
Purity:	> 96 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The ED_{50} as determined by a cell proliferation assay using activated T cells.
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 rMusAPRIL/TNFSF13 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 ℃ . 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:	ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. **NOT FOR HUMAN USE**.

Murine soluble A Proliferation-inducing Ligand/TNFSF13

A proliferation-inducing ligand (APRIL), also known as TALL-2 and TRDL-1, is a type II transmembrane protein that is a member of the TNF ligand superfamily (TNFSF13). APRIL expression is low in normal tissues, but is elevated in several types of tumors and transformed cell lines. APRIL stimulates proliferation of tumor cell lines and increases tumorigenicity in nude mice. Recombinant murine soluble APRIL is a 16.4 kDa protein, consisting of 146 amino acid residues.

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