

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	123-21
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 18.4 kDa, a single non-glycosylated polypeptide chain containing 168 amino acids.
Quantity:	5µg/20µg/1000µg
AA Sequence:	DGGKGSWEKL IQDQRSHQAN PAAHLTGANA SLIGIGGPLL WETRLGLAFL RGLTYHDGAL VTMEPGYYV YSKVQLSGVG CPQGLANGLP ITHGLYKRTS RYPKELELLV SRRSPCGRAN SSRVWWDSSF LGGVVHLEAG EEVVVRVPGN RLVRPRDGTR SYFGAFMV
Purity:	> 96 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The ED ₅₀ as determined by a cytotoxicity assay using human HT-29 cells is less than 2 µg/ml, corresponding to a specific activity of > 500 IU/mg in the presence of murine anti-polyHistidine monoclonal antibody and rHuIFN-γ.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH7.4.
Endotoxin:	Less than 1 EU/µg of rMuLIGHT/TNFSF14 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 100 mM HAc 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. <ul style="list-style-type: none">● 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 LIGHT/TNFSF14

Murine LIGHT is a type II membrane protein that is a member of the TNF superfamily (TNFSF14). LIGHT is an acronym that stands for is homologous to Lymphotoxins, exhibits Inducible expression, and competes with HSV Glycoprotein D for HVEM, a receptor expressed by Tlymphocytes. LIGHT has also been called HVEM-L and LT-gamma.