

**ChemWhat Technical Data Sheet (TDS)**

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<b>Catalog Number:</b>	204-21
<b>Source:</b>	<i>Escherichia coli</i> .
<b>Molecular Weight:</b>	Approximately 12.2 kDa, a single, non-glycosylated polypeptide chain containing 111 amino acids.
<b>Quantity:</b>	5µg /20µg /1000µg
<b>AA Sequence:</b>	SDGGAQDCCL KYSQRKIPAK VVRSYRKQEP SLGCSIPAIL FLPRKRSQAE LCADPKELWV QQLMQHLDKT PSPQKPAQGC RKDRGASKTG KKGKGSKGCK RTERSQTPKG P
<b>Purity:</b>	> 97 % by SDS-PAGE and HPLC analyses.
<b>Biological Activity:</b>	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human lymphocytes is in a concentration range of 10-100 ng/ml.
<b>Physical Appearance:</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.
<b>Endotoxin:</b>	Less than 1 EU/µg of rHuExodus-2/CCL21 as determined by LAL method.
<b>Reconstitution:</b>	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.
<b>Shipping:</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage:</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"><li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li><li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li><li>● 3 months, -20 to -70 °C under sterile conditions after reconstitution.</li></ul>
<b>Usage:</b>	<b>ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. NOT FOR HUMAN USE.</b>

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***Human Exodus-2/CCL21***

CCL21 is encoded by CCL21 gene that is located in Chr. 9 and shows 21-33 % identity to other CC chemokines. This chemokine contains the four conserved cysteines characteristic of β chemokines plus two additional cysteines in its unusually long carboxylterminal domain. CCL21 is highly expressed in lymph nodes of certain endothelial cells, and in the spleen and appendix. It elicits effects by binding with CCR7, having functions of T and B lymphocytes chemotaxis and inhibiting hematopoiesis.