

Exodus-2/CCL21 Protein, Human

Cat. No.:	HY-P7166
Synonyms:	rHuExodus-2/CCL21; C-C motif chemokine 21; SLC; SCYA21
Species:	Human
Source:	E. coli
Accession:	O00585 (S24-P134)
Gene ID:	6366
Molecular Weight:	Approximately 12.2 kDa

PROPERTIES

AA Sequence	<p>S D G G A Q D C C L K Y S Q R K I P A K V V R S Y R K Q E P S L G C S I P A I L</p> <p>F L P R K R S Q A E L C A D P K E L W V Q Q L M Q H L D K T P S P Q K P A Q G C</p> <p>R K D R G A S K T G K K G K G S K G C K R T E R S Q T P K G P</p>
Biological Activity	Full biological activity determined by a chemotaxis bioassay using human lymphocytes is in a concentration range of 10-100 ng/ml.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against 20 mM PB, pH 7.4, 150 mM NaCl.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in sterile distilled water or aqueous buffer containing 0.1% BSA.
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CCL21 is a homeostatic chemokine constitutively produced in secondary lymphoid organs (SLOs) where it is involved in CCR7 naïve and central memory T-cell homing via high endothelial venules (HEVs). CCL21/CCL21 is also a homeostatic lymphoid chemokine instrumental in the recruitment and organization of T cell and dendritic cells into lymphoid T areas. In human secondary lymphoid organs (SLOs), CCL21 is produced by cells distributed throughout the T zone, whereas high endothelial venules (HEVs) lack CCL21 mRNA ^[1] .
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REFERENCES

[1]. Manzo A, et al. CCL21 expression pattern of human secondary lymphoid organ stroma is conserved in inflammatory lesions with lymphoid neogenesis. Am J Pathol. 2007 Nov;171(5):1549-62.

Caution: Product has not been fully validated for medical applications. For research use only.

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