

**RPES8043**

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## Product Information

<b>Product SKU:</b>	RPES8043	<b>Expression Host:</b>	E.coli	<b>Size:</b>	20µg
<b>Tag:</b>	N-Trx	<b>Reactivity:</b>	Human	<b>Accession:</b>	O00585

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## Additional Information

<b>Calculated MW:</b>	32 kDa	<b>Observed MW:</b>	35 kDa
<b>Sequence:</b>	Ser24-Pro134		

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## Protein Information

**Background:** This antimicrobial gene is one of several CC cytokine genes clustered on the p-arm of chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. Similar to other chemokines the protein encoded by this gene inhibits hemopoiesis and stimulates chemotaxis. This protein is chemotactic in vitro for thymocytes and activated T cells, but not for B cells, macrophages, or neutrophils. The cytokine encoded by this gene may also play a role in mediating homing of lymphocytes to secondary lymphoid organs. It is a high affinity functional ligand for chemokine receptor 7 that is expressed on T and B lymphocytes and a known receptor for another member of the cytokine family (small inducible cytokine A19).

**Synonyms:** 6Ckine, Beta-chemokine exodus-2, C C motif chemokine ligand 21, C-C motif chemokine 21, CCL21, CCL21, Chemokine (C-C motif) ligand 21, Chemokine CC motif ligand 21, CKb9, ECL, Efficient Chemoattractant for Lymphocytes, SCYA21, Secondary lymphoid-tissue chemokine, SLC, Small inducible cytokine A21, Small inducible cytokine subfamily A (Cys-Cys), member 21, Small-inducible cytokine A21, TCA4, UNQ784/PRO1600

**Endotoxin:** < 10 EU/mg of the protein as determined by the LAL method

**Formulation:** Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

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**Purity:** > 90% as determined by reducing SDS-PAGE.

**Bio-Activity:** Not validated for activity

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.