

**RPES8171**

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## Product Information

<b>Product SKU:</b>	RPES8171	<b>Expression Host:</b>	E.coli	<b>Size:</b>	20µg
<b>Tag:</b>	N-Trx	<b>Reactivity:</b>	Mouse	<b>Accession:</b>	P48298

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## Additional Information

<b>Calculated MW:</b>	28.1 kDa	<b>Observed MW:</b>	32 kDa
<b>Sequence:</b>	His24-Pro97		

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## Protein Information

<b>Background:</b>	<p>CCL11 or chemokine (C-C motif) ligand 11 is a member of the chemokine (C-C motif) ligand family. Chemokine (C-C motif) ligand 11 is a member of the chemokine family. There are four members of the chemokine family: C-C chemokines, C chemokines, CXC chemokines and CX3C chemokines. The C-C chemokines have two cysteines nearby the amino terminus. There have been at least 27 distinct members of this subgroup reported for mammals, called C-C chemokine ligands (CCL)-1 to 28. Chemokines are a family of small chemotactic cytokines, or proteins secreted by cells. They share the same structure similarities such as small size, and the presence of four cysteine residues in conserved locations in order to form their 3-dimensional shape. Some of the chemokines are considered pro-inflammatory which can be induced to recruit cells of the immune system to a site of infection during an immune response, while others are considered homeostatic and are implied in controlling the migration of cells during normal processes of tissue maintenance and development. CCL11 is implicated in allergic responses through selectively recruiting eosinophils by inducing their chemotaxis. The effects of CCL11 are mediated by its binding to chemokine receptor. Increased CCL11 levels in blood plasma are associated with aging in mice.</p>
<b>Synonyms:</b>	<p>C-C motif chemokine 11, CCL 11, CCL11, CCL11, chemokine (C-C motif) ligand 11, Chemokine C C motif ligand 11, Chemokine CC Motif Ligand 11, Chemokine ligand 11, Eosinophil chemotactic protein, Eotaxin, eotaxin-1, MGC22554, SCYA 11, SCYA11,</p>

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Small inducible cytokine A11, Small inducible cytokine subfamily A (Cys Cys) member 11, small inducible cytokine subfamily A (Cys-Cys), member 11 (eotaxin), Small inducible cytokine subfamily A member 11, Small-inducible cytokine A11

**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.

**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.