

RPES8028

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**Product Information**

<b>Product SKU:</b>	RPES8028	<b>Expression Host:</b>	E.coli	<b>Size:</b>	20µg
<b>Tag:</b>	N-Sumo	<b>Reactivity:</b>	Human	<b>Accession:</b>	O15444

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**Additional Information**

<b>Calculated MW:</b>	26.8 kDa	<b>Observed MW:</b>	34 kDa
<b>Sequence:</b>	Gln24-Leu150		

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**Protein Information**

**Background:** CCL25, also known as TECK (thymus-expressed chemokine), is a CC chemokine that regulates the trafficking of lymphocytes in the thymus and small intestine. Mature mouse CCL25 shares 40% and 81% amino acid sequence identity with an human and rat CCL25, respectively . CCL25 is produced by stromal cells in the thymus and epithelial cells of the small intestine, particularly the jejunum and ileum . It binds to and induces chemoattraction through CCR9 , and both human and mouse proteins act on human CCR9 . CCR9 is expressed on immature pre-T cells and thymocytes . CCL25 induces the homing of several lymphocyte populations to the small intestine , including Integrin alpha 4 beta 7+ gamma delta T cells , Integrin alpha E beta 7+ CD8+ T cells , and IgA-producing plasma cells . In cancer, functional CCR9 mediates the metastasis of melanoma cells to the small intestine , contributes to the CCL25-dependent migration and invasion of some breast carcinomas , and attracts mesenchymal stromal cells to CCL25-expressing multiple myelomas . CCL25 contributes to the severity of chronic inflammation in rheumatoid arthritis where it attracts CCR9+ monocytes and macrophages , in endometriosis where it promotes the invasiveness of stromal cells , and in atherosclerosis where it contributes to the accumulation of CCR9+ macrophages in arterial plaques .

**Synonyms:** A130072A22Rik, C-C motif chemokine 25, CCL 25, CCL25, CCL25, Chemokine (C C motif) ligand 25, Chemokine (CC motif) ligand 25, Chemokine C C motif ligand 25,

Chemokine CC motif ligand 25, Chemokine TECK, Ck beta 15, Ckb 15, Ckb15, MGC125074, MGC150327, SCY A25, SCYA 25, SCYA25, Small inducible cytokine A25, Small inducible cytokine A25 isoform 1 precursor, Small inducible cytokine A25 isoform 2 precursor, Small inducible cytokine subfamily A (Cys Cys) member 25, Small inducible cytokine subfamily A Cys Cys member 25, Small inducible cytokine subfamily A, member 25, Small-inducible cytokine A25, TECK, TECKvar, Thymus expressed chemokine, Thymus-expressed chemokine

- 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.