

RPES8151

Product Information

Product SKU:	RPES8151	Expression Host:	E.coli	Size:	20µg
Tag:	N-Sumo	Reactivity:	Mouse	Accession:	O35903

Additional Information

Calculated MW:	26.2 kDa	Observed MW:	34 kDa
Sequence:	Gln24-Asn144		

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,

Contact Details | Dublin, Ireland

Email: techsupport@assaygenie.com | **Web:** www.assaygenie.com

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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.