

RPES8246

Product Information

Product SKU:	RPES8246	Expression Host:	E.coli	Size:	20 μ g
Tag:	N-Trx	Reactivity:	Rat	Accession:	P97884

Additional Information

Calculated MW:	27.6 kDa	Observed MW:	31 kDa
Sequence:	Ser27-Met96		

Protein Information

Background: Chemokine (C-C motif) ligand 20 (CCL20/MIP-3 α) or liver activation regulated chemokine (LARC) or Macrophage Inflammatory Protein-3 (MIP3A) is a small cytokine belonging to the CC chemokine family that attracts immature dendritic cells and memory T lymphocytes, both expressing CCR6. Depending on the cell type, this chemokine was found to be inducible by cytokines (IL-1 β) and by bacterial, viral, or plant products (including LPS, dsRNA, and PMA). MIP3A / CCL20/MIP-3 α is expressed predominantly in the liver, lymph nodes, appendix, peripheral blood lymphocytes, and fetal lung. Low levels of MIP3A / CCL20/MIP-3 α has been seen in thymus, prostate, testis, small intestine and colon. As a chemotactic factor, MIP3A / CCL20/MIP-3 α attracts lymphocytes and, slightly, neutrophils, but not monocytes. This chemokine may inhibit proliferation of myeloid progenitors in colony formation assays and it may be involved in formation and function of the mucosal lymphoid tissues by attracting lymphocytes and dendritic cells towards epithelial cells. Its C-terminal processed forms have been shown to be equally chemotactically active for leukocytes. Chemokine CCL20/MIP-3 α was shown to play a role in colorectal cancer (CRC) pathogenesis.

Synonyms: CCL, CKb, Scya, CKb4, LARC, MIP3A, Scya20, St38, Ccl20

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

Formulation: Lyophilized from a 0.2 μ m 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.