



RPES8251

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**Product Information**

<b>Product SKU:</b>	RPES8251	<b>Expression Host:</b>	E.coli	<b>Size:</b>	20µg
<b>Tag:</b>	N-Trx	<b>Reactivity:</b>	Rat	<b>Accession:</b>	P14844

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**Additional Information**

<b>Calculated MW:</b>	33.64 kDa	<b>Observed MW:</b>	30 kDa
<b>Sequence:</b>	Gln24-Asn148		

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**Protein Information**

**Background:** Monocyte chemoattractant protein 1 (CCL2/JE/MCP-1), also called CCL2, belongs to a group of CC chemokines located in chromosome 17q11.2. CCL2/JE/MCP-1 protein interacts with chemokine C-C motif receptor 2 (CCR2) to activate and recruit monocytes, macrophages, CD4+ T cells and immature dendritic cells to the site of infection. The presence of CCL2/JE/MCP-1 protein in an adequate concentration is important for granuloma formation and M. tuberculosis clearance.

**Synonyms:** CCL, Scya, C-C motif chemokine, Small-inducible cytokine A, Monocyte chemotactic protein, Monocyte chemoattractant protein, GDCF, HSMCR, GDCF-2, HC11, HSMCR30, MCAF, MCP-1, Monocyte chemotactic protein 1, SMC-CF, Ccl2, C-C motif chemokine 2, Small-inducible cytokine A2, Monocyte chemotactic protein 1 (MCP-1), Monocyte chemoattractant protein 1, Immediate-early serum-responsive protein JE, Je, Mcp1, Scya2

**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.