Recombinant Mouse CCL9 Protein

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Catalog No.: RP00625 Recombinant

Sequence Information

Species Gene ID **Swiss Prot** Mouse 20308 P51670

Tags

No tag

Synonyms

C-C motif chemokine 9; CCF18; Macrophage inflammatory protein 1gamma; Macrophageinflammatory protein-related protein 2; Small-inducible cytokine A9; Scya10; Scya9 and CCL9.

Product Information

Source **Purification**

E. coli ≥ 95 % as determined by SDS-

PAGE.

Calculated MW Observed MW

15 kDa 11.6 kDa

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl□300mM NaCl,pH8.0.Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Contact

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Background

C-C motif chemokine 9(CCL9) is an 11 kDa, secreted, monomeric polypeptide that belongs to the beta (or CC)intercrine family of chemokines. It is expressed mainly in the liver, lung, and the thymus, although some expression has been detected in a wide variety of tissues except brain. Monokine has inflammatory, pyrogenicand chemokinetic properties. It circulates at high concentrations in the blood of healthy animals. Binding to ahigh-affinity receptor [] it activates calcium release in neutrophils. It also inhibits colony formation of bonemarrow myeloid immature progenitors. CCL9 can activate osteoclasts through its receptor CCR1 (the mostabundant chemokine receptor found on osteoclasts) suggesting an important role for CCL9 in bone resorption.

Basic Information

Description

Recombinant Mouse CCL9 Protein is produced by E. coli expression system. The target protein is expressed with sequence (Gln22-Gln122) of mouse CCL9 (Accession #P51670) fused with an initial Met at the N-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

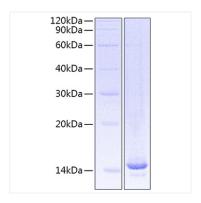
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Mouse CCL9 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.