Recombinant Mouse CXCL2/MIP-2 Protein

RPCB1670

Product Information

Product SKU:	RPCB1670	**Gene ID**:	20310	**Size**:	10µg
Tag:	C-6His	**Reactivity**:	Mouse		

Additional Information

Expression Host:	-	**Swissprot:**	P10889
Purity:	-		

Protein Information

Background:

Macrophage Inflammatory Protein-2 (MIP-2) was originally identified as a heparin-binding protein secreted from a murine macrophage cell line in response to endotoxin stimulation. Based on its protein and DNA sequences, MIP-2 is a member of the alpha (C-X-C) subfamily of chemokines.

MIP-2 cDNA encodes a 100 amino acid residue precursor protein from which the amino-terminal 27 amino acid residues are cleaved to generate the mature MIP-2. The protein sequence of murine MIP-2 shows approximately 63% identity to that of murine KC, another murine alpha chemokine whose expression is induced by PDGF. In addition, the protein sequence of MIP-2 is also 60% identical to human GRO beta and GRO gamma. It has been suggested that mouse KC and MIP-2 are the homologs of the human GROs and rat CINCs.

Similarly to other alpha chemokines, murine MIP-2 is a potent neutrophil attractant and activator. MIP-2 and KC can bind the murine interleukin 8 type B receptor homologue with high affinity. The expression of MIP-2 was found to be associated with neutrophil influx in pulmonary inflammation and glomerulonephritis, suggesting that MIP-2 may contribute to the pathogenesis of inflammatory diseases.

Contact Details | Dublin, Ireland
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Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Mouse CXCL2/MIP-2 Protein , tested reactivity inPichiaand has been validated in SDS-PAGE.100% guaranteed.

Endotoxin: <0.1EU/μg of the protein by LAL method.

Formulation: Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Storage: Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.

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