Datasheet for ABIN7320503

CXCL2 Protein

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Overview

Quantity:	100 µg
Target:	CXCL2
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Mouse CXCL2/MIP-2 Protein
Sequence:	Ala28-Asn100
Characteristics:	Recombinant Mouse C-X-C motif chemokine 2 is produced by our E.coli expression system and the target gene encoding Ala28-Asn100 is expressed.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CXCL2
Alternative Name:	CXCL2/MIP-2 (CXCL2 Products)
Background:	Background: C-X-C motif chemokine 2 (CXCL2,MIP-2) belongs to the intercrine alpha (chemokine CxC) family. It was originally identified as a heparin-binding protein secreted from a murine macrophage cell line in response to endotoxin stimulation. The expression of mouse MIP-2 is stimulated by endotoxin. The mouse MIP-2 shares approximately 63 % aa sequence

Target Details

	identity with murine KC, another mouse alpha chemokine, which is induced by PDGF. It has been suggested that mouse KC and MIP-2 are the homologs of the human GROs and rat CINCs. Chemotactic for human polymorphonuclear leukocytes but does not induce chemokinesis or an oxidative burst. 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. Synonym: MIP-2, chemokine ligand 2, C-X-C motif chemokine 2, GRO beta, GRO2, GROB, Gro-beta, Growth-regulated protein beta, Macrophage Inflammatory Protein-2-alpha, melanoma growth stimulatory activity beta, cxcl2, MGSA-b, MGSA-beta, MIP2A, MIP2-alpha, SCYB2.
Molecular Weight:	7.9 kDa
UniProt:	P10889
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris,150 mM NaCl, pH 8.0.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	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.