Rat CXCL2/MIP-2, Tag Free Protein

HA211132

Product name:	Rat CXCL2/MIP-2, Tag Free
Species reactivity:	Rat
Protein construction description:	A DNA sequence encoding the rat CXCL2/MIP-2 protein (P30348) (Ser 32-Asn 100) was expressed with tag free.
Background:	Chemokine (C-X-C motif) ligand 2 (CXCL2) is a small cytokine belonging to the CXC chemokine family that is also called macrophage inflammatory protein 2-alpha (MIP2-alpha), Growth-regulated protein beta (Gro-beta) and Gro oncogene-2 (Gro-2). CXCL2 is 90% identical in amino acid sequence as a related chemokine, CXCL1. This chemokine is secreted by monocytes and macrophages and is chemotactic for polymorphonuclear leukocytes and hematopoietic stem cells. CXCL2 mobilizes cells by interacting with a cell surface chemokine receptor called CXCR2. CXCL2, like related chemokines, is also a powerful neutrophil chemoattractant and is involved in many immune responses including wound healing, cancer metastasis, and angiogenesis. A study was published in 2013 testing the role of CXCL2, CXCL3, and CXCL1 in the migration of airway smooth muscle cells (ASMCs) migration which plays a significant role in asthma. The results of this study showed that CXCL2 and CXCL3 both help with the mediation of normal and asthmatic ASMC migration through different mechanisms.
Purity:	>95% as determined by SDS-PAGE.
Endotoxin:	Less than 1.0 EU per μg by the LAL method.
Fragment region:	CXCL2/MIP-2 (32-100)
Source:	HEK293
Accession:	P30348
Predicted molecular mass:	8.4 kD
Formulation:	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution:	Reconstitute at 250 μg/ml in sterile water.
Storage:	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20℃ to -80℃ It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

Images

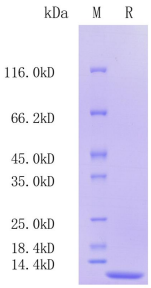


Fig1: Protein on SDS-PAGE under reducing (R) condition.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".