

Recombinant Mouse X-C motif chemokine ligand 10 Protein, Tag Free

Cat. No. Cxcl10-190M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse CXCL10 protein (P17515) (Ile 22-Pro 98) without tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	22-98aa
Description	Pro-inflammatory cytokine that is involved in a wide variety of processes such as chemotaxis, differentiation, and activation of peripheral immune cells, regulation of cell growth, apoptosis and modulation of angiostatic effects. Plays thereby an important role during viral infections by stimulating the activation and migration of immune cells to the infected sites. Mechanistically, binding of CXCL10 to the CXCR3 receptor activates G protein-mediated signaling and results in downstream activation of phospholipase C-dependent pathway, an increase in intracellular calcium production and actin reorganization. In turn, recruitment of activated Th1 lymphocytes occurs at sites of inflammation. Activation of the CXCL10/CXCR3 axis also plays an important role in neurons in response to brain injury for activating microglia, the resident macrophage population of the central nervous system, and directing them to the lesion site. This recruitment is an essential element for neuronal reorganization.
Tag	Non

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Molecular Mass	9.1 kDa
Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	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.

GENE INFORMATION

Gene Name	Cxcl10 C-X-C motif chemokine ligand 10 [Mus musculus (house mouse)]
Official Symbol	Cxcl10
Synonyms	CXCL10; chemokine (C-X-C motif) ligand 10; C-X-C motif chemokine 10; gamma-IP10; interferon activated gene 10; small-inducible cytokine B10; interferon-gamma induced protein CRG-2; interferon-gamma-induced protein CRG-2; 10 kDa interferon gamma-induced protein; small inducible cytokine B subfamily (Cys-X-Cys), member 10; C7; IP10; CRG-2; INP10; IP-10; Ifi10; mob-1; Scyb10; gIP-10;
Gene ID	15945
mRNA Refseq	NM_021274

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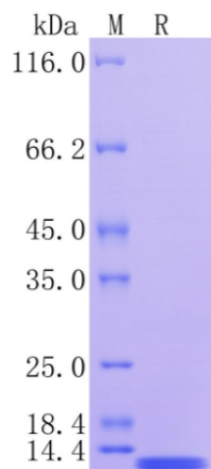
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Protein Refseq NP_067249

UniProt ID P17515

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



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