

Active Recombinant Human CXCL2

Cat. No. CXCL2-17H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human recombinant MIP-2 alpha is produced in genetically engineered yeast, and purified by sequential chromatography.
Species	Human
Source	yeast
Description	This antimicrobial gene is part of a chemokine superfamily that encodes secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CXC subfamily, is expressed at sites of inflammation and may suppress hematopoietic progenitor cell proliferation.
Form	In 20 mM HEPES/0.1 M NaCl (pH7.3) at a concentration of 1.0 mg protein/
Bio-activity	The biological activity of recombinant human MIP-2 alpha is determined by its use as a cofactor for CSF-dependent myelopoiesis.
Purity	Over 95% pure by SDS gel electrophoresis, with low level of endotoxin.
Stability	Several months at -80°C.
Storage	Store at -80°C.

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GENE INFORMATION

Gene Name	CXCL2 chemokine (C-X-C motif) ligand 2 [Homo sapiens (human)]
Official Symbol	CXCL2
Synonyms	CXCL2; GRO2; GROb; MIP2; MIP2A; SCYB2; MGSA-b; MIP-2a; CINC-2a; MIP2-alpha; MIP-2a; Gro-beta; C-X-C motif chemokine 2; GRO2 oncogene; Growth-regulated protein beta; MGSA beta; chemokine (C-X-C motif) ligand 2; melanoma growth stimulatory activity beta; MIP2A_HUMAN; Macrophage inflammatory protein 2-alpha [Precursor]; Gro-beta
Gene ID	2920
mRNA Refseq	NM_002089
Protein Refseq	NP_002080
MIM	139110
UniProt ID	P19875
Chromosome Location	4q21
Pathway	Chemokine receptors bind chemokines; Chemokine signaling pathway; G alpha (i) signalling events
Function	CXCR chemokine receptor binding; chemokine activity; protein binding

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