

## MIP-2/CXCL2 Protein, Mouse (His)

Cat. No.:	HY-P700534
Synonyms:	rHuGRO- $\beta$ /CXCL2; C-X-C motif chemokine 2; MIP2-alpha; HSF
Species:	Mouse
Source:	E. coli
Accession:	P10889 (A28-N100)
Gene ID:	20310
Molecular Weight:	11.8 kDa

### PROPERTIES

AA Sequence	AVVASELRQC    CLKTLPRVDF    KNIQSLSVTP    PGPHCAQTEV IATLKGQKV    CLDPEAPLVQ    KIIQKILNKG    KAN
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	<p>MIP-2/CXCL2 protein acts as a chemotactic factor specifically for human polymorphonuclear leukocytes, with the distinctive characteristic of not inducing chemokinesis or an oxidative burst in these cells. Its chemotactic function underscores its role in orchestrating the directed migration of polymorphonuclear leukocytes, contributing to their recruitment to specific sites in response to inflammatory signals. Notably, MIP-2/CXCL2 exists as a homotetramer, emphasizing its structural composition and potential implications for its biological activity in the regulation of immune responses and inflammatory processes.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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