

## Animal-Free MIP-1 alpha/CCL3 Protein, Mouse (His)

Cat. No.:	HY-P7768AF
Synonyms:	MIP-1a: Macrophage Inflammatory Protein-1α; LD78α
Species:	Mouse
Source:	E. coli
Accession:	P10855 (A24-A92)
Gene ID:	20302
Molecular Weight:	Approximately 8.69 kDa

### PROPERTIES

AA Sequence	A P Y G A D T P T A    C C F S Y S R K I P    R Q F I V D Y F E T    S S L C S Q P G V I F L T K R N R Q I C    A D S K E T W V Q E    Y I T D L E L N A
Biological Activity	Measure by its ability to chemoattract BaF3 cells transfected with human CCR5. The ED <sub>50</sub> for this effect is <1.8 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 7.4.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/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	MIP-1 alpha/CCL3 protein, a monokine, possesses inflammatory, pyrogenic, and chemokinetic properties. It exhibits potent chemotactic activity for eosinophils and, upon binding to a high-affinity receptor, triggers calcium release in neutrophils.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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