

Animal-Free DCIP-1/CXCL3 Protein, Mouse (His)

Cat. No.:	HY-P700172AF
Synonyms:	rMuDCIP-1/CXCL3; C-X-C motif chemokine 3; Dendritic cell inflammatory protein 1
Species:	Mouse
Source:	E. coli
Accession:	Q6W5C0 (A28-S100)
Gene ID:	330122
Molecular Weight:	Approximately 8.72 kDa

PROPERTIES

AA Sequence	A V V A S E L R C Q C L N T L P R V D F E T I Q S L T V T P P G P H C T Q T E V I A T L K D G Q E V C L N P Q G P R L Q I I I K K I L K S G K S S
Biological Activity	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED ₅₀ for this effect is <80 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 ₂ 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	The DCIP-1/CXCL3 protein functions as a ligand for CXCR2, displaying chemotactic activity for neutrophils. This protein is implicated in inflammation and may exert its effects on endothelial cells in an autocrine fashion. The chemotactic activity of DCIP-1/CXCL3 for neutrophils suggests its potential role in regulating the recruitment and activation of these immune cells in response to inflammatory stimuli.
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Caution: Product has not been fully validated for medical applications. For research use only.

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