

DCIP-1/CXCL3 Protein, Mouse (CHO)

Cat. No.:	HY-P7337
Synonyms:	rMuDCIP-1/CXCL3; C-X-C motif chemokine 3; Dendritic cell inflammatory protein 1
Species:	Mouse
Source:	CHO
Accession:	Q6W5C0 (A28-S100)
Gene ID:	330122
Molecular Weight:	Approximately 8 kDa

PROPERTIES

AA Sequence	<p> 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 </p>
Biological Activity	The EC ₅₀ is <100 ng/mL as measured on Ca ²⁺ mobilization assay in CHO-K1/Gα15/mCXCR2 cells (human Gα15 and mCXCR2 stably expressed in CHO-K1 cells).
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS.
Endotoxin Level	<0.2 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O or PBS.
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. 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	Chemokine (C-X-C motif) ligand 3 (CXCL3) is a small cytokine belonging to the CXC chemokine family. CXCL3 controls migration and adhesion of monocytes and mediates its effects on its target cell by interacting with a cell surface chemokine receptor ^[1] . It has been shown that CXCL3 regulates cell autonomously the migration of the precursors of cerebellar granule neurons toward the internal layers of cerebellum, during the morphogenesis of cerebellum ^[2] .
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REFERENCES

[1]. Smith DF, et al. GRO family chemokines are specialized for monocyte arrest from flow. Am J Physiol Heart Circ Physiol. 2005 Nov;289(5):H1976-84.

[2]. Farioli-Vecchioli S, et al. Tis21 knock-out enhances the frequency of medulloblastoma in Patched1 heterozygous mice by inhibiting the Cxcl3-dependent migration of cerebellar neurons. J Neurosci. 2012 Oct 31;32(44):15547-64.

Caution: Product has not been fully validated for medical applications. For research use only.

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