

Animal-Free IP-10/CXCL10 Protein, Pig (His)

Cat. No.:	HY-P700232AF
Synonyms:	CXCL10; C-X-C motif chemokine 10; Gamma-IP10; IP-10; Mob1; Scyb10
Species:	Pig
Source:	E. coli
Accession:	Q5S1S3 (P23-A104)
Gene ID:	494019
Molecular Weight:	Approximately 10.13 kDa

PROPERTIES

AA Sequence	<p> P L S R T V R C T C I K I S D R P V N P R S L E K L E M I P A S Q S C P H V E I I A T M K K N G E K R C L N P E S K T I K N L L K A I S K E R S K R S P R T Q R E A </p>
Biological Activity	Measure by its ability to chemoattract BaF3 cells transfected with Human CXCR2. The ED ₅₀ for this effect is <4 ng/mL.
Appearance	Lyophilized powder
Formulation	Lyophilized from a solution containing 1X PBS, pH 7.4, trehalose.
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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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>The IP-10/CRG-2/CXCL10 protein is a member of the intercrine alpha (chemokine Cx) family, emphasizing its role within a group of chemokines implicated in intercellular communication and immune responses. As part of the intercrine alpha family, IP-10/CRG-2/CXCL10 likely contributes to the modulation of inflammatory processes and cellular interactions. Further investigation is essential to unveil the specific functions and implications of this protein within the broader framework of the chemokine Cx family.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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