

Animal-Free NAP-2/CXCL7 Protein, Mouse (His)

Cat. No.:	HY-P700174AF
Synonyms:	C-X-C motif chemokine 7; PBP; LDGF; MDGF; CTAP-III; PPBP; NAP-2; CXCL7
Species:	Mouse
Source:	E. coli
Accession:	Q9EQI5 (K40-Y113)
Gene ID:	57349
Molecular Weight:	Approximately 8.93 kDa

PROPERTIES

AA Sequence	K S D G M D P Y I E L R C R C T N T I S G I P F N S I S L V N V Y R P G V H C A D V E V I A T L K N G Q K T C L D P N A P G V K R I V M K I L E G Y
Biological Activity	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED ₅₀ for this effect is <1 µg/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 NAP-2/CXCL7 protein is a member of the intercrine alpha (chemokine Cx) family. This classification highlights its affiliation with a group of chemokines involved in intercellular communication and immune responses. As part of the intercrine alpha family, NAP-2/CXCL7 likely plays a role in modulating inflammatory processes and cellular interactions. Further exploration is necessary to uncover the specific functions and implications of this protein within the broader context of the chemokine Cx family, shedding light on its significance in mediating immune responses without reliance on animal-derived sources.
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Caution: Product has not been fully validated for medical applications. For research use only.

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