

Latexin Protein, Human (His)

Cat. No.:	HY-P73841
Synonyms:	ECI; ECIMUM; Latexin; LXN; TCI
Species:	Human
Source:	E. coli
Accession:	Q9BS40/NP_064554.3 (E2-E222)
Gene ID:	56925
Molecular Weight:	30-35 kDa

PROPERTIES

AA Sequence	<pre> E I P P T N Y P A S R A A L V A Q N Y I N Y Q Q G T P H R V F E V Q K V K Q A S M E D I P G R G H K Y H L K F A V E E I I Q K Q V K V N C T A E V L Y P S T G Q E T A P E V N F T F E G E T G K N P D E E D N T F Y Q R L K S M K E P L E A Q N I P D N F G N V S P E M T L V L H L A W V A C G Y I I W Q N S T E D T W Y K M V K I Q T V K Q V Q R N D D F I E L D Y T I L L H N I A S Q E I I P W Q M Q V L W H P Q Y G T K V K H N S R L P K E V Q L E </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 or sterile 50 mM HEPES, 300 mM NaCl, pH 7.5.
Endotoxin Level	<1 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. 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	Latexin, a protein of significance, functions as a robust, hardly reversible, and non-competitive inhibitor targeting CPA1, CPA2, and CPA4. Its inhibitory prowess underscores its potential role in modulating the activity of carboxypeptidases, contributing to intricate cellular processes. Notably, Latexin may also partake in the regulation of inflammation, suggesting its involvement in broader physiological contexts beyond enzyme inhibition.
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Caution: Product has not been fully validated for medical applications. For research use only.

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