

Latexin Protein, Mouse (His)

Cat. No.:	HY-P73268
Synonyms:	Latexin; ECI; TCI; Lxn
Species:	Mouse
Source:	E. coli
Accession:	P70202 (E2-E222)
Gene ID:	17035
Molecular Weight:	Approximately 28-32 kDa

PROPERTIES

Biological Activity	Measured by its ability to inhibit carboxypeptidase A1 cleavage of the colorimetric peptide substrate Ac-Phe-Thiaphe-OH in the presence of 5,5'-Dithio-bis (2-nitrobenzoic acid) (DTNB). The IC ₅₀ value is 0.555 nM, as measured under the described conditions.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0, 10% Glycerol or 50 mM HEPES, 300 mM NaCl, pH 7.4.
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 with notable properties, acts as a highly potent inhibitor of CPA1, CPA2, and CPA4 enzymes in a hardly reversible, non-competitive manner. Additionally, it is suggested to potentially play a role in the regulation of inflammation.
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Caution: Product has not been fully validated for medical applications. For research use only.

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