

## Latexin Human

**Description:** Recombinant Human Latexin produced in E.Coli is a single, non-glycosylated polypeptide chain containing 222 amino acids and having a molecular mass of 25.7kDa. Latexin is purified by conventional chromatography techniques.

Catalog #: ENPS-414

**Synonyms:** LXN, TCI, ECI, Latexin, Endogenous carboxypeptidase inhibitor, Tissue carboxypeptidase inhibitor, MUM.

For research use only.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MEIPPTNYPASRAALVAQNYIN YQQGTPHRVFEVQVKVQA  
SMEDIPGRGHKYRLKFAVEEIIQKQVKVNC TAEVLYPSTGQETAPEVNFTFEGETGKNPD  
EEDNTFYQRLKSMKEPLEAQNIPDNFGNVPENMTLVHLHVVACGYIIWQNSTEDTWYKM  
VKIQTVKQVQRNDDFIELDYTILLHNIASQEIIPWQMQLVWHPQYGTKVKHNSRLPKVEVQLE.

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

### Formulation:

The Latexin protein solution contains 20mM Tris-HCl, pH-7.5, 50mM NaCl and 10% Glycerol.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

Latexin enzyme is a carboxypeptidase A inhibitor that is highly expressed in the heart, prostate, ovary, kidney, pancreas, brain and colon. Latexin has no noticeable sequence resemblance with plant and parasite inhibitors, however it is related to a human putative tumor suppressor protein, TIG1. Latexin is down-regulated in the presenilin-1-deficient mouse brain, thus putatively playing a role in Alzheimer's disease.

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