

Recombinant Human Latexin

Cat. No. LXN-129H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Latexin protein was expressed in E.coli and purified by using conventional chromatography, 25.7 kDa (222aa).
Species	Human
Source	E.coli
Description	<p>Latexin, a carboxypeptidase A inhibitor, is highly expressed in heart, prostate, ovary, kidney, pancreas, and colon, moderate or low in other tissues including brain.</p> <p>Latexin has no detectable sequence similarity with plant and parasite inhibitors, but it is related to a human putative tumor suppressor protein, TIG1. It is down-regulated in the presenilin-1-deficient mouse brain, thus putatively playing a role in Alzheimer's disease.</p>
Sequences of amino acids	<p>MEIPPTNYPA SRAALVAQNY INYQQGTPHR VFEVQKVKQA SMEDIPGRGH KYRLKFAVEE IIQKQVKVNC TAEVLYPSTG QETAPEVNFT FEGETGKNPD EEDNTFYQRL KSMKEPLEAQ NIPDNFGNVS PEMTLVLHLA WVACGYIIWQ NSTEDTWYKM VKIQTVKQVQ RNDDFIELDY TILLHNIASQ EIIPWQMQVL WHPQYGTKVK HNSRLPKEVQ LE</p>
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 50 mM NaCl, 10% glycerol
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)

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Endotoxin Level < 1.0 EU per 1 µg of protein (determined by LAL method)

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name LXN latexin [Homo sapiens]

Synonyms ECI; MUM; TCI; latexin; Endogenous carboxypeptidase inhibitor; Tissue carboxypeptidase inhibitor

Gene ID 56925

mRNA Refseq NM_020169

Protein Refseq NP_064554

MIM 609305

UniProt ID Q9BS40

Chromosome Location 3q25.32

Function enzyme inhibitor activity; metalloendopeptidase inhibitor activity; protein binding

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