

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	Latexin, a carboxypeptidase A inhibitor, is highly expressed in heart, prostate, ovary, kidney, pancreas, and colon, moderate or low in other tissues including brain. 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.
Sequences of amino acids	MEIPPTNYPA SRAALVAQNY INYQQGTPHR VFEVQKVKQA SMEDIPGRGH KYRLKFAVEE IIQKQVKVNC TAEVLYPSTG QETAPEVNFT FEGETGKNPD EEDNTFYQRL KSMKEPLEAQ NIPDNFGNVS PEMTLVLHLA WVACGYIIWQ NSTEDTWYKM VKIQTQKQVQ RNDDFIELDY TILLHNIASQ EIIPWQMQLV WHPQYGTKVK HNSRLPKEVQ LE
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