

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	MEIPPTNYPASRAALVAQNYINYQQGTPHRVFEVQKVKQASMEDIPGRGH KYRLKFAVEEIIQKQVKVNC TAEVLYPSTG QETAPEVNFT FEGETGKNPD EEDNTFYQRLKSMKEPLEAQ 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)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA