

**Latexin, 1-222aa, Human, Recombinant, E.coli**

**Cat.NO.: TP02783**

3th Edition

**Synonyms:**LXN, ECI, TCI, MUM

**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

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 50 mM NaCl, 10% glycerol

**Molecular Weight:**25.7 kDa (222aa), confirmed by MALDI-TOF

**Sequences:**

MEIPPTNYPASRAALVAQNYINYQQGTPHRVFEVQKVKQASMEDIPGRGHKYRLKFAVEEIIQKQVKNCTAEVLYP  
STGQETAPEVNFTFEGETGKNPDEEDNTFYQRLKSMKEPLEAQNIPDNFGNVSPMTLVHLAWVACGYIIWQNST  
EDTWYKMKVIQTVKQVQRNDDFIELDYTILLHNIASQEIIPWQMQLWHPQYGTKVKHNSRLPKEVQLE

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**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.