
Product Data Sheet

Product Name: Latexin Human
 Cat. No.: GP21862
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	LXN; TCI; ECI; Latexin; Endogenous carboxypeptidase inhibitor; Tissue carboxypeptidase inhibitor; MUM.		
Amino Acid Sequence	MEIPPTNYPA SRAALVAQNY INYQQGTPHR VFEVQKVKQA SMEDIPGRGH KYRLKFAVEE IIQKQVKVNC TAEVLYPSTG QETAPEVNFTFEGETGKNPD EEDNTFYQRL KSMKEPLEAQ NIPDNFGNVS PEMTLVLHLA WVACGYIIWQ NSTEDTWYKM VKIQTVKQVQ RNDDFIELDYTILLHNIASQ EIIPWQMQLV WHPQYGTKVK HNSRLPKEVQ LE.		
Formulation	The Latexin protein solution contains 20mM Tris-HCl, pH-7.5, 50mM NaCl and 10% Glycerol.		

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.

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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