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## Product Data Sheet

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Product Name: Ecotin E.Coli  
 Cat. No.: GP21594  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	E. coli serine protease inhibitor.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAESVQPLEK IAPYPQAEKG MKRQVIQLTP QEDESTLKVE LLIGQTLEVD CNLHRLGGKL ENKTLEGWGY DYYVFDKVSS PVSTMMACPD GKKEKKFVTA YLG DAGMLRY NSKLPIVVYT PDNVDVKYRV WKAEEKIDNA VVR		
Formulation	The Ecotin protein solution (1mg/ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 1mM DTT, 50mM NaCl and 10% glycerol.		

### Introduction

Ecotin inhibits pancreatic serine proteases. Ecotin protein inhibits chymotrypsin, trypsin, elastases, factor X, kallikrein as well as a variety of other proteases. The power of inhibition is not linked to a specific protease specificity.

### 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. Please avoid freeze thaw cycles.

### Background

Ecotin produced in E.Coli is a single, non-glycosylated polypeptide chain containing 163 amino acids (21-162a.a.) and having a molecular mass of 18.3kDa. Ecotin is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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