
Product Data Sheet

Product Name: RNASE3 Human
 Cat. No.: GP22221
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ECP; RNS3; Ribonuclease 3; Eosinophil cationic protein; RNASE3; RNASE3.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMRP PQFTRAQWFA IQHISLNPPR CTIAMRAINN YRWRCKNQNT FLRTTFANVV NVCGNQSIRC PHNRTLNNCH RSRFRVPLLH CDLINPGAQN ISNCRYADRP GRRFYVVACD NRDPRDSPRY PVVPVHLDTT I.		
Formulation	The RNASE3 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

Ribonuclease 3 (RNASE3) is cytotoxin and helminthotoxin with low-efficiency ribonuclease activity. RNASE3 possesses a broad diversity of biological activities. RNASE3 protein has shown antibacterial activity such as cytoplasmic membrane depolarization of preferentially Gram-negative and Gram-positive strains and promotes E. coli outer membrane detachment, alteration of the overall cell shape and partial loss of cell content.

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

RNASE3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 171 amino acids (28-160) and having a molecular mass of 19.9kDa. RNASE3 is fused to a 38 amino acid His-tag at N-terminus & purified by

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

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proprietary chromatographic techniques.

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