
Product Data Sheet

Product Name: RNASE7 Human
 Cat. No.: GP22225
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ribonuclease; RNase A Family; 7; Skin-Derived Antimicrobial Protein 2; RNase 7; SAP-2; EC 3.1.27.5; EC 3.1.27.; EC 3.1.27; Ribonuclease 7.		
Amino Acid Sequence	MGSSHHHHHSSGLVPRGSH MGSKPKGMTS SQWFKIQHMQ PSPQACNSAM KNINKHTKRC KDLNTFLHEPFSSVAATCQT PKIACKNGDK NCHQSHGPVS LTMCKLTSGK YPNCRYKEKR QNKSYVVACK PPQKKDSQQFHLVPVHLDRV L.		
Formulation	RNASE7 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol 1mM DTT.		

Introduction

Ribonuclease 7 (RNASE7) is one of the final RNase A superfamily ribonucleases. RNASE7 was isolated from skin-derived stratum corneum. RNASE7 protein demonstrated potent ribonuclease activity and hence may contribute to the well-known ribonuclease activity of human skin. RNASE7 has revealed a broad spectrum antimicrobial activity against many pathogenic microorganisms and extraordinarily potent activity.

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

RNASE7 Human Recombinant produced in E. Coli is a single, non-glycosylated polypeptide chain containing 151 amino acids (29-156 a.a) and having a molecular mass of 16.9kDa. RNASE7 is fused to a 23 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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA