

RNASE3 Human

Description: 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 proprietary chromatographic techniques.

Catalog #: ENPS-675

For research use only.

Synonyms: ECP; RNS3, Ribonuclease 3, Eosinophil cationic protein, RNASE3, RNASE3.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMRP
PQFTRAQWFA IQHISLNPPR CTIAMRAINN YRWRCKNQNT FLRTTFANVV NVCNQSIRC
PHNRTLNNCH RSRFRVPLLH CDLINPGAQN ISNCRYADRP GRRFYVVACD NRDPDPSRY
PVVPVHLDTT I.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The RNASE3 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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