

Recombinant Human RNASE2 protein, His-tagged

Cat. No. RNASE2-03H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RNASE2 Human produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 143 amino acids (28-161 a.a.) and having a molecular mass of 16.5kDa. RNASE2 is fused to a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.
Species	Human
Source	Sf9 Cells
ProteinLength	143aa
Description	RNASE2, also known as EDN, is best-known as one of the 4 major proteins found in the large specific granules of human eosinophilic leukocytes. This protein is also expressed constitutively in human liver tissue and its expression can be induced in macrophages by proinflammatory stimuli. RNASE2 is a non-secretory ribonuclease which belongs to the pancreatic ribonuclease family, a subset of the ribonuclease A superfamily. Diseases associated with EDN include Dermatitis, Atopic, 8 and Pulmonary Eosinophilia.
Form	RNASE2 Human protein (1mg/ml) is formulated in 20% glycerol and Phosphate-Buffered Saline (pH 7.4). Sterile Filtered colorless solution.
Molecular Mass	16.5kDa
AA Sequence	ADPKPPQFTW AQWFETQHIN MTSQQCTNAM QVINNYQRRC KNQNTFLLTT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

FANVVNVCGN PNMTCP SNKT RKNCHHSGSQ VPLIHCNLTT PSPQNISNCR
YAQTPANMFY IVACDNRDQR RDPPQYPVVP VHLDRIIHHH HHH

Purity

Greater than 90.0% as determined by SDS-PAGE.

Usage

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.

Stability

Store at 4 centigrade if entire vial will be used within 2-4 weeks. Store, frozen at -20 centigrade 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.

Concentration

1mg/ml

GENE INFORMATION

Gene Name

[RNASE2 ribonuclease A family member 2 \[Homo sapiens \(human\) \]](#)

Official Symbol

[RNASE2](#)

Synonyms

EDN; RNS2; ribonuclease A family member 2; RAF3; non-secretory ribonuclease; Eosinophil-derived neurotoxin; RNase Upl-2; Ribonuclease 2; RNase 2; Ribonuclease US

Gene ID

[6036](#)

mRNA Refseq

[NM_002934](#)

Protein Refseq

[NP_002925](#)

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MIM	131410
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UniProt ID	P10153
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