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Datasheet for ABIN1691359

DROSHA Protein (AA 28-160) (His tag)

Overview

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|-------------------------------|---|
| Quantity: | 50 µg |
| Target: | DROSHA |
| Protein Characteristics: | AA 28-160 |
| Origin: | Human |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This DROSHA protein is labelled with His tag. |

Product Details

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| Purpose: | Recombinant Human Ribonuclease 3/RNASE3 (C-6His) |
| Sequence: | RPPQFTRAQW FAIQHISLNP PRCTIAMRAI NNYRWCKNQ NTFLRTTFAN VNVCGNQSI RCPHNRTLNN CHRSRFRVPL LHCDLINPGA QNISNCRYAD RPYRRFYVVA CDNRDPRDSP RYPVVPVHLD TTIVDHHHHH H |
| Characteristics: | Recombinant Human Ribonuclease 3/RNASE3 (C-6His) |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Sterility: | 0.2 µm filtered |
| Endotoxin Level: | Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test |

Target Details

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| Target: | DROSHA |
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Target Details

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| Alternative Name: | Ribonuclease 3 (DROSHA Products) |
| Background: | <p>Recombinant Human Ribonuclease 3/RNASE3 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Arg28-Ile160) of Human RNASE3 fused with a 6His tag at the C-terminus.</p> <p>Ribonuclease 3 (RNASE3) is a basic protein that is localized to the eosinophil primary matrix and belongs to the pancreatic ribonuclease family. RNASE3 is released during degranulation of eosinophils. RNASE3 possesses a wide variety of biological activities. RNASE3 interacts with bacterial lipopolysaccharide (LPS) and lipoteichoic acid (LTA). RNASE3 exhibits antibacterial activity, including cytoplasmic membrane depolarization of preferentially Gram-negative, but also Gram-positive strains. It promotes E. coli outer membrane detachment, alteration of the overall cell shape and partial loss of cell content.</p> |
| Molecular Weight: | 16.6 kDa |
| UniProt: | P12724 |
| Pathways: | Regulatory RNA Pathways |

Application Details

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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
| Reconstitution: | <p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p> |
| Buffer: | Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 1 mM DTT, 10 % Glycerol, pH 7.5. |
| Preservative: | Dithiothreitol (DTT) |
| Precaution of Use: | This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. |
| Storage: | -80 °C |
| Storage Comment: | Store at < -20°C, stable for 6 months after receipt. |

Handling

Please minimize freeze-thaw cycles.

Expiry Date: 6 months