

## Recombinant Human DEFA1 Protein (Glu20-Cys94), His tagged

Cat. No. DEFA1-1939H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant human DEFA1 (Glu20-Cys94) fused with His tag was expressed in E. coli.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | Glu20-Cys94  |
| <b>Description</b>      | Defensin 1 and defensin 2 have antibacterial, fungicide and antiviral activities. Has antimicrobial activity against Gram-negative and Gram-positive bacteria. Defensins are thought to kill microbes by permeabilizing their plasma membrane. |
| <b>Form</b>             | Lyophilized powder/frozen liquid   |
| <b>Molecular Mass</b>   | 9.87 kDa   |
| <b>Purity</b>           | >90% as determined by SDS-PAGE   |
| <b>Notes</b>            | For research use only.   |
| <b>Storage</b>          | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.  |

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|                       |  |
|-----------------------|--|
| <b>Storage Buffer</b> | Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.      |
| <b>Reconstitution</b> | Reconstitute in sterile water for a stock solution.                            |
| <b>Shipping</b>       | They are shipped out with dry ice/blue ice unless customers require otherwise. |

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | DEFA1 defensin, alpha 1 [ Homo sapiens (human) ]   |
| <b>Official Symbol</b> | DEFA1  |
| <b>Synonyms</b>        | DEFA1; defensin, alpha 1; DEF1, DEFA2, defensin, alpha 1, myeloid related sequence, defensin, alpha 2, MRS; neutrophil defensin 1; HNP 1; defensin, alpha 2; myeloid-related sequence; defensin, alpha 1, myeloid-related sequence; HP1; MRS; DEF1; HP-1; DEFA2; HNP-1; DEFA1B; MGC138393; |
| <b>Gene ID</b>         | 1667   |
| <b>mRNA Refseq</b>     | NM_004084  |
| <b>Protein Refseq</b>  | NP_004075  |
| <b>MIM</b>             | 125220   |
| <b>UniProt ID</b>      | P59665   |

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