

## Product datasheet for TP321032

### DEFB108B (NM\_001002035) Human Recombinant Protein

#### Product data:

|                                       |                                                                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:                         | Recombinant Proteins                                                                                                                                 |
| Description:                          | Recombinant protein of human defensin, beta 108B (DEFB108B), 20 µg                                                                                   |
| Species:                              | Human                                                                                                                                                |
| Expression Host:                      | HEK293T                                                                                                                                              |
| Expression cDNA Clone or AA Sequence: | >RC221032 representing NM_001002035<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)                                                                |
|                                       | MRIAVLLFAIFFFMSQVLPARGKFKEICERPNGSCRDFCLETEIHVGRCLNSQPCCPLPLGHQPRIESTTP<br>KKD                                                                       |
|                                       | <b>TR</b> TRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                              |
| Tag:                                  | C-Myc/DDK                                                                                                                                            |
| Predicted MW:                         | 8.1 kDa                                                                                                                                              |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method                                                                                                   |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                          |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol                                                                                                 |
| Preparation:                          | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                     |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:                              | Store at -80°C.                                                                                                                                      |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| RefSeq:                               | <a href="#">NP_001002035</a>                                                                                                                         |
| Locus ID:                             | 245911                                                                                                                                               |
| UniProt ID:                           | <a href="#">Q8NET1</a>                                                                                                                               |
| RefSeq Size:                          | 222                                                                                                                                                  |
| Cytogenetics:                         | 11q13.4                                                                                                                                              |



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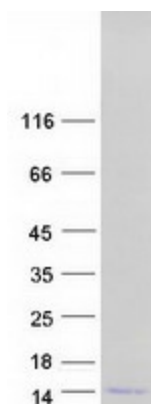
RefSeq ORF: 219

Synonyms: DEFB-8; hBD-8

**Summary:** Defensins form a family of antimicrobial and cytotoxic peptides made by neutrophils. Defensins are short, processed peptide molecules that are classified by structure into three groups: alpha-defensins, beta-defensins and theta-defensins. All beta-defensin genes are densely clustered in four to five syntenic chromosomal regions. A pseudogene of this gene has been found on chromosome 8. [provided by RefSeq, Oct 2014]

**Protein Families:** Secreted Protein

### Product images:



Coomassie blue staining of purified DEFB108B protein (Cat# TP321032). The protein was produced from HEK293T cells transfected with DEFB108B cDNA clone (Cat# [RC221032]) using MegaTran 2.0 (Cat# [TT210002]).