

Recombinant Human DEFA5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DEFA5-1403H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | DEFA5 MS Standard C13 and N15-labeled recombinant protein (NP_066290) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells. |
| Species | Human |
| Source | HEK293 |
| Description | Defensins are a family of antimicrobial and cytotoxic peptides thought to be involved in host defense. They are abundant in the granules of neutrophils and also found in the epithelia of mucosal surfaces such as those of the intestine, respiratory tract, urinary tract, and vagina. Members of the defensin family are highly similar in protein sequence and distinguished by a conserved cysteine motif. Several of the alpha defensin genes appear to be clustered on chromosome 8. The protein encoded by this gene, defensin, alpha 5, is highly expressed in the secretory granules of Paneth cells of the ileum. |
| Molecular Mass | 10.1 kDa |
| AA Sequence | MRTIAILAAILLVALQAQAESLQERADEATTQKQSGEDNQLAISFAGNGLSALRTSG SQARATCYCRTGRCATRESLSGVCEISGRLYRLCCRTRTRPLEQKLISEEDLAANDIL DYKDDDDKV |
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining |

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| Stability | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| Storage | Store at -80 centigrade. Avoid repeated freeze-thaw cycles. |
| Concentration | 50 µg/mL as determined by BCA |
| Storage Buffer | 100 mM glycine, 25 mM Tris-HCl, pH 7.3. |
| GENE INFORMATION | |
| Gene Name | DEFA5 defensin alpha 5 [Homo sapiens (human)] |
| Official Symbol | DEFA5 |
| Synonyms | DEFA5; defensin, alpha 5, Paneth cell-specific; DEF5; defensin-5; HD 5; defensin 5; defensin, alpha 5, preproprotein; HD-5; MGC129728; |
| Gene ID | 1670 |
| mRNA Refseq | NM_021010 |
| Protein Refseq | NP_066290 |
| MIM | 600472 |
| UniProt ID | Q01523 |

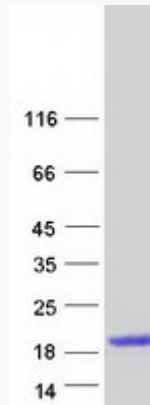
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SDS-PAGE



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