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

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

SPECIFICATION

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	MRTIAILAAILLVALQAQAESLQERADEATTQKQSGEDNQDLAISFAGNGLSALRTSG SQARATCYCRTGRCATRESLSGVCEISGRLYRLCCRTRTRPLEQKLISEEDLAANDIL DYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

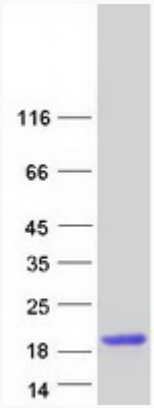
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM 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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