

Recombinant Human DEFA6

Cat. No. DEFA6-26996TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human DEFA6 , with N terminal proprietary tag; Predicted MW 37.07kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	Defensins are a family of microbicidal 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 alpha defensin genes appear to be clustered on chromosome 8. The protein encoded by this gene, defensin, alpha 6, is highly expressed in the secretory granules of Paneth cells of the small intestine, and likely plays a role in host defense of human bowel.
Molecular Weight	37.070kDa inclusive of tags
Tissue specificity	Paneth cells of the small intestine.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MRTLILTAVLLVALQAKAEPLQAEDDPLQAKAYEADAQEQRGANDQDFAVSFAEDA SSSLRALGSTRAFTCHCRRSCYSTEYSYGTCTVMGINHRFCCL
Sequence Similarities	Belongs to the alpha-defensin family.

GENE INFORMATION

Gene Name	DEFA6 defensin, alpha 6, Paneth cell-specific [Homo sapiens]
Official Symbol	DEFA6
Synonyms	DEFA6; defensin, alpha 6, Paneth cell-specific; defensin-6; DEF6; HD 6;
Gene ID	1671
mRNA Refseq	NM_001926
Protein Refseq	NP_001917
MIM	600471
Uniprot ID	Q01524
Chromosome Location	8p23.1

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