Recombinant Full Length Human DEFA3 Protein, GST-tagged

Cat. No. DEFA3-2425HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DEFA3 full-length ORF (NP_005208.1, 1 a.a. - 94 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	94 amino acids
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. The protein encoded by this gene, defensin, alpha 3, is found in the microbicidal granules of neutrophils and likely plays a role in phagocyte-mediated host defense. Several alpha defensin genes are clustered on chromosome 8. This gene differs from defensin, alpha 1 by only one amino acid. This gene and the gene encoding defensin, alpha 1 are both subject to copy number variation. [provided by RefSeq, Oct 2014]
Molecular Mass	36.6 kDa
AA Sequence	MRTLAILAAILLVALQAQAEPLQARADEVAAAPEQIAADIPEVVVSLAWDESLAPKHP GSRKNMDCYCRIPACIAGERRYGTCIYQGRLWAFCC

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DEFA3 defensin, alpha 3, neutrophil-specific [Homo sapiens]
Official Symbol	DEFA3
Synonyms	DEFA3; defensin, alpha 3, neutrophil-specific; DEF3; neutrophil defensin 3; HNP 3; neutrophil peptide 3; defensin 3, neutrophil-specific; HP3; HNP3; HP-3; HNP-3;
Gene ID	1668
mRNA Refseq	NM_005217
Protein Refseq	NP_005208
MIM	604522
UniProt ID	P59666

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