

Recombinant Full Length Human DEFA1 Protein, GST-tagged

Cat. No. DEFA1-6903HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length protein DEFA1 with GST-tag at N-terminal was produced in wheat germ expressionsystem in vitro and purified by GlutathioneSepharose 4 Fast Flow, 36.08 KDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	94 amino acids
Description	Defensins are a family of microbicidal and cytotoxic peptidethought to be involved in host defense. They are abundant in the granules ofneutrophils and also found in the epithelia of mucosal surfaces such as thoseof the intestine, respiratory tract, urinary tract, and vagina. Members of thedefensin family are highly similar in protein sequence and distinguished by aconserved cysteine motif. The protein encoded by this gene, defensin, alpha1, is found in the microbicidal granules of neutrophils and likely plays arole in phagocyte-mediated host defense. Several alpha defensin genes areclustered on chromosome 8. This gene differs from defensin, alpha 3 by onlyone amino acid. This gene and the gene encoding defensin, alpha 3 are bothsubject to copy number variation.
Applications	ELISA;WB; Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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Storage Buffer 50 mMTris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.

GENE INFORMATION

Gene Name DEFA1 defensin, alpha 1 [Homo sapiens]

Official Symbol DEFA1

Synonyms DEFA1; defensin, alpha 1; HP1; MRS; DEF1; HP-1; DEFA2; HNP-1; DEFA1B; MGC138393; neutrophildefensin 1; defensin, alpha 2; myeloid-related sequence; defensin, alpha 1, myeloid-related sequence; OTTHUMP00000196017

Gene ID 1667

mRNA Refseq NM_004084

Protein Refseq NP_004075

MIM 125220

UniProt ID P59665

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