

## Recombinant Human DEFA5, GST-tagged

Cat. No. DEFA5-11927H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human DEFA5 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 24-94a.a.

**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 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.

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

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<b>Gene Name</b>	DEFA5 defensin, alpha 5, Paneth cell-specific [ Homo sapiens ]
<b>Official Symbol</b>	DEFA5
<b>Synonyms</b>	DEFA5; defensin, alpha 5, Paneth cell-specific; DEF5; defensin-5; HD 5; defensin 5; defensin, alpha 5, preproprotein; HD-5; MGC129728;
<b>Gene ID</b>	1670
<b>mRNA Refseq</b>	NM_021010
<b>Protein Refseq</b>	NP_066290
<b>MIM</b>	600472
<b>UniProt ID</b>	Q01523
<b>Chromosome Location</b>	8p23.1
<b>Pathway</b>	Alpha-defensins, organism-specific biosystem; Defensins, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem;

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