

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 ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	DEFA5 defensin, alpha 5, Paneth cell-specific [Homo sapiens]
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
Chromosome Location	8p23.1
Pathway	Alpha-defensins, organism-specific biosystem; Defensins, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem;

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