Recombinant Full Length Human DEFA5 Protein, GST-tagged

Cat. No. DEFA5-2427HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DEFA5 full-length ORF (NP_066290.1, 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. 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. [provided by RefSeq, Oct 2014]
Molecular Mass	36.5 kDa
AA Sequence	MRTIAILAAILLVALQAQAESLQERADEATTQKQSGEDNQDLAISFAGNGLSALRTSG SQARATCYCRTGRCATRESLSGVCEISGRLYRLCCR
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	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	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

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