Recombinant Human DEFA5 protein, His-tagged

Cat. No. DEFA5-1963H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DEFA5 aa. (Glu20~Arg94) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	20-94 aa
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.
Form	Freeze-dried powder
Molecular Mass	15kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 92%

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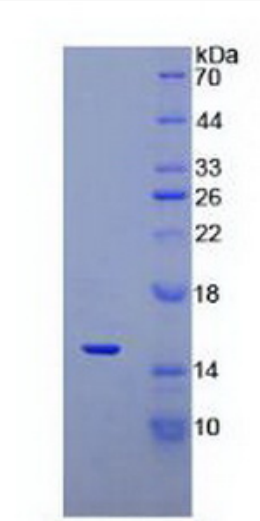
Characteristic	The isoelectric point is 5.9.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200μg/mL
Storage Buffer	PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300
Reconstitution	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	DEFA5 defensin alpha 5 [Homo sapiens (human)]
Official Symbol	DEFA5
Synonyms	HSPA (heat shock 70) binding protein, cytoplasmic cochaperone 1; HSPA (heat shock 70kDa) binding protein, cytoplasmic cochaperone 1; HSPA binding protein, cytoplasmic cochaperone 1; heat shock protein-binding protein 1; hsp70-interacting protein 1; hsp70-binding protein 1

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Gene ID	1670
mRNA Refseq	NM_021010.2
Protein Refseq	NP_066290.1
UniProt ID	Q01523



SDS-PAGE

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