

Recombinant Human DEFA6 protein, His & GST-tagged

Cat. No. DEFA6-1140H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DEFA6 aa. (Ala19~Cys99 (Accession # Q01524) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala19~Cys99
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 alpha defensin genes appear to be clustered on chromosome 8. The protein encoded by this gene, defensin, alpha 6, is highly expressed in the secretory granules of Paneth cells of the small intestine, and likely plays a role in host defense of human bowel.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.3kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%

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Characteristic	The isoelectric point is 5.9.
Applications	SDS-PAGE; WB; ELISA; IP.
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.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	DEFA6 defensin alpha 6 [Homo sapiens (human)]
Official Symbol	DEFA6
Synonyms	DEFA6; defensin alpha 6; DEF6; HD-6; defensin-6; defensin, alpha 6, Paneth cell-specific
Gene ID	1671
mRNA Refseq	NM_001926.3

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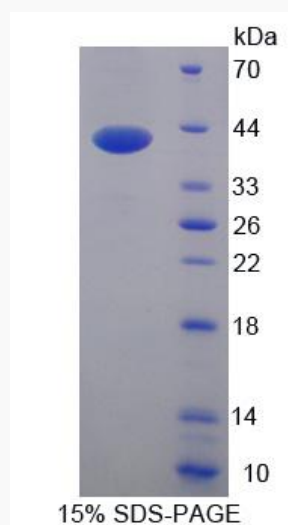
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Protein Refseq NP_001917.1

UniProt ID Q01524

SDS-PAGE



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