

Recombinant Human DEFA1 Protein, His-tagged

Cat. No. DEFA1-26186TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DEFA1 Protein (65-94 aa) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	65-94 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. The protein encoded by this gene, defensin, alpha 1, is found in the microbicidal granules of neutrophils and likely plays a role in phagocyte-mediated host defense. Several alpha defensin genes are clustered on chromosome 8. This gene differs from defensin, alpha 3 by only one amino acid. This gene and the gene encoding defensin, alpha 3 are both subject to copy number variation.
Molecular Mass	5 kDa
AASequence	MHHHHHHHHHHHHHACYCRIPACIAGERRYGTCTIYQGRLWAFCC
Endotoxin	< 1 EU/μg by LAL.

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Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile PBS, pH7.4, 1% SKL
Concentration	0.75 mg/mL by Bradford

GENE INFORMATION

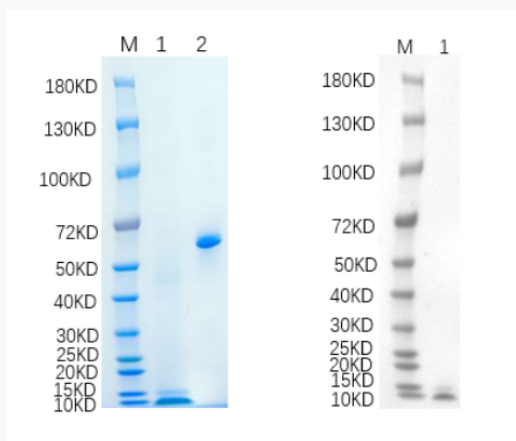
Gene Name	DEFA1 defensin alpha 1 [Homo sapiens (human)]
Official Symbol	DEFA1
Synonyms	DEFA1; defensin alpha 1; HP1; MRS; DEF1; HP-1; DEFA2; HNP-1; neutrophil defensin 1; defensin, alpha 1, myeloid-related sequence; defensin, alpha 2; myeloid-related sequence
Gene ID	1667
mRNA Refseq	NM_004084
Protein Refseq	NP_004075
MIM	125220
UniProt ID	P11479

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SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified DEFA1. 1. DEFA1: 1 µg 2. BSA: 1 µg

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