

Recombinant Human DEFA4 Protein, His tagged

Cat. No. DEFA4-002H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DEFA4 Protein (20-97 aa) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	20-97 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 alpha defensin genes are clustered on chromosome 8. This gene differs from other genes of this family by an extra 83-base segment that is apparently the result of a recent duplication within the coding region. The protein encoded by this gene, defensin, alpha 4, is found in the neutrophils; it exhibits corticostatic activity and inhibits corticotropin stimulated corticosterone production.
Form	Sterile PBS, pH7.4, 0.1% SKL
Molecular Mass	10 kDa
AASequence	MGPLQARGDEAPGQEQRGPEDQDISISFAWDKSSALQVSGSTRGMVCSCRLVFCR RTELRVGNCLIGGVSTFTYCCTRVDDHHHHHHHHHH

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Endotoxin	< 1 EU/μg by LAL
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.
Concentration	1 mg/mL by BCA

GENE INFORMATION

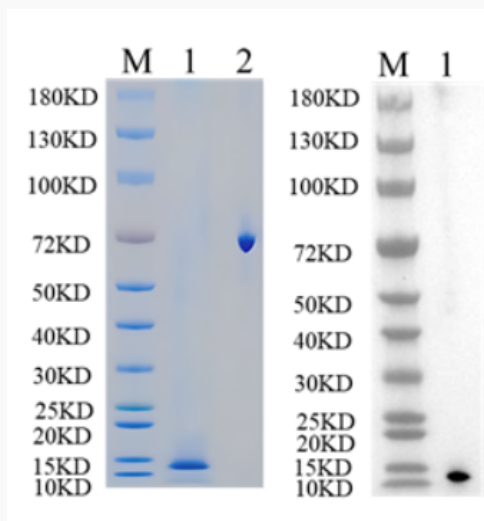
Gene Name	DEFA4 defensin alpha 4 [Homo sapiens (human)]
Official Symbol	DEFA4
Synonyms	DEFA4; defensin alpha 4; HP4; DEF4; HP-4; HNP-4; defensin alpha 4; corticostatin; corticostatin HP-4; defensin, alpha 4, corticostatin; defensin, alpha 4, preproprotein; neutrophil defensin 4
Gene ID	1669
mRNA Refseq	NM_001925
Protein Refseq	NP_001916
MIM	601157
UniProt ID	P12838

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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 DEFA4. 1. DEFA4: 1 μ g 2. BSA: 1 μ g