Recombinant Pig DEFB1 Protein, His-tagged

Cat. No. DEFB1-2705P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig DEFb2 Protein (Arg2-Arg69 (Accession # Q6R953)) with N-His tag was expressed in E. coli.
Species	Pig
Source	E.coli
ProteinLength	Arg2-Arg69 (Accession # Q6R953)
Description	Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence. This gene encodes defensin, beta 1, an antimicrobial peptide implicated in the resistance of epithelial surfaces to microbial colonization. This gene maps in close proximity to defensin family member, defensin, alpha 1 and has been implicated in the pathogenesis of cystic fibrosis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 11.1 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

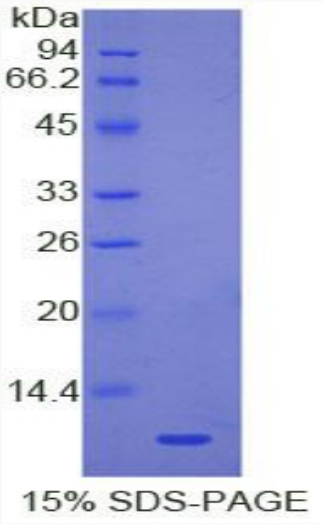
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	accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	DEFB1 defensin beta 1 [Sus scrofa (pig)]
Official Symbol	DEFB1
Synonyms	DEFB1; defensin beta 1; Defensin Beta 2; DEFb2; B-DF2; DEFB2; BD2; DEF-B2; HBD2; DEFB102; HBD-2; SAP1; DEFB4A; DEFB4; Skin-Antimicrobial Peptide 1
Gene ID	404699
mRNA Refseq	NM_214442
Protein Refseq	NP_999607
UniProt ID	Q6R953

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15% SDS-PAGE

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