

Recombinant Human DEFB1 protein, His & GST-tagged

Cat. No. DEFB1-6876H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DEFB1 aa. (Gly22~Lys68 (Accession # P60022)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gly22~Lys68
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: 37.5kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.6.

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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 ddH ₂ O.

GENE INFORMATION

Gene Name	DEFB1 defensin beta 1 [Homo sapiens (human)]
Official Symbol	DEFB1
Synonyms	BD1; HBD1; DEFB-1; DEFB101; BD-1; beta-defensin 1
Gene ID	1672
mRNA Refseq	NM_005218.3
Protein Refseq	NP_005209.1

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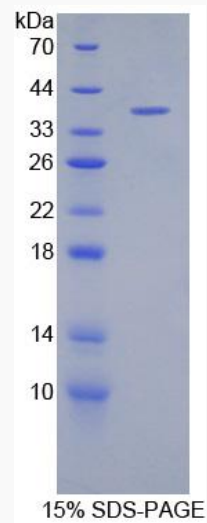
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UniProt ID

P60022

SDS-PAGE

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