

Recombinant Human DEFB1, GST-tagged

Cat. No. DEFB1-11929H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DEFB1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-68a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	DEFB1 defensin, beta 1 [Homo sapiens]
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Official Symbol	DEFB1
Synonyms	DEFB1; defensin, beta 1; beta-defensin 1; BD1; DEFB 1; DEFB101; HBD 1; HBD1; MGC51822; BD-1; beta-defensin-1; DEFB-1;
Gene ID	1672
mRNA Refseq	NM_005218
Protein Refseq	NP_005209
MIM	602056
UniProt ID	P60022
Chromosome Location	8p23.1
Pathway	Beta defensins, organism-specific biosystem; Defensins, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem;