

Active Recombinant Human DEFB1 protein

Cat. No. DEFB1-17H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human DEFB1 protein(P60022)(22-68 aa) was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	22-68 aa
Form	Lyophilized from a 0.2 µ filtered concentrated solution in 20 mM PB, pH 7.4, 130 mM NaCl.
Bio-activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using CD34+ dendritic cells is in a concentration range of 100.0-1000.0 ng/ml.
Molecular Mass	Approximately 5.1 kDa, a single non-glycosylated polypeptide chain containing 47 amino acids.
AASequence	GNFLTGLGHR SDHYNCVSSG GQCLYSACPI FTKIQGTCYR GKAKCCK
Endotoxin	Less than 1 EU/g of rHuBD-1, 47a.a. as determined by LAL method.
Purity	> 98 % by SDS-PAGE and HPLC analyses.

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Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name [DEFB1 defensin, beta 1 \[Homo sapiens \]](#)

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](#)

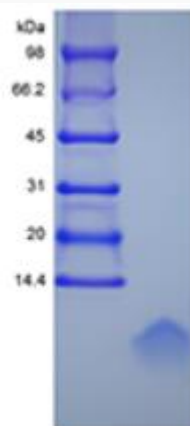
MIM [602056](#)

UniProt ID [P60022](#)

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SDS-PAGE

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