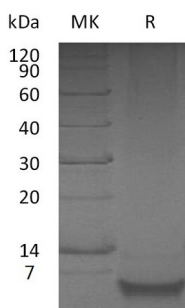


Summary

Name	B-Defensin 1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/ μ g as determined by LAL test.
Construction	Recombinant Human Beta-Defensin 1 is produced by our E.coli expression system and the target gene encoding Gly22-Lys68 is expressed.
Accession #	P60022
Host	E.coli
Species	Human
Predicted Molecular Mass	5.07 KDa
Formulation	Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 130mM NaCl, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at \leq -70°C, stable for 6 months after receipt. Store at \leq -70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

Product Name: Recombinant Human DEFB1
Catalog #: PEH0141

Alternative Names

Beta-Defensin 1; BD-1; hBD-1; Defensin Beta 1; DEFB1; BD1; HBD1

Background

β -Defensin 1 (DEFB1) is a member of the β -defensin family, which is highly expressed by epithelial cells. β -defensins are expressed as the C-terminal portion of precursors and are released by proteolytic cleavage of a signal peptide. β -defensins contain a six-cysteine motif that forms three intra-molecular disulfide bonds. β -defensin 1 is an antimicrobial peptide implicated in the resistance of epithelial surfaces to microbial colonization. Defects in β -Defensin-1 contribute to asthma diagnosis, with apparent gender-specific effects in human. β -defensin 1 may also play a role in the pathogenesis of severe sepsis. In addition, β -defensin 1 is associated with induction profiles in gingival keratinocytes.

Note

For Research Use Only , Not for Diagnostic Use.