

Beta Defensin-5 Human Recombinant

Item Number	rAP-0359
Synonyms	Beta-defensin 105, eta-defensin 5, BD-5, DEFB-5, Defensin, beta 105, DEFB105A, BD5, DEFB105, DEF-B5, DEFB105B.
Description	BD5 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 51 amino acids and having a molecular mass of 5.8 kDa. The Beta Defensin-5 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q8NG35
Amino Acid Sequence	GLDFSQPFPS GEFAVCESCK LGRGKCRKEC LENEKPDGNC RLNFLCCRQR I.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Beta Defensin-5 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BD5 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Beta Defensin-5 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**