

Beta Defensin-3 Human Recombinant

Item Number	rAP-0353
Synonyms	HBD3, HBP3, DEFB3, HBD-3, HBP-3, DEFB103.
Description	Beta Defensin-3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 45 amino acids and having a molecular mass of 5161.2 Dalton. The BD-3 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P81534
Amino Acid Sequence	GIINTLQKYY CRVRGGRCV LSCLPKEEQI GKCSTRGRKC CRRKK.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Beta Defensin-3 Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BD-3 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	The HBD-3 was lyophilized without additives. 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-3 in sterile 18MΩ-cm H ₂ O 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**