

Beta Defensin-2 Mouse Recombinant

Item Number	rAP-0347
Synonyms	Beta-defensin 2, BD-2, mBD-2, Defensin beta 2, Defb2, MGC129140, MGC129141.
Description	Beta Defensin-2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 51 amino acids and having a molecular mass of 5.5kDa. The BD-2 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	O15263
Amino Acid Sequence	AVGSLKSIGY EAELDHCHTN GGYCVRAICP PSARRPGSCF PEKNPCCKYM K.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Beta Defensin-2 Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BD-2 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 Mouse BD-2 was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4. Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Beta Defensin-2 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Determined by the ability to chemoattract immature human dendritic cells at a concentration of 10-100ng/ml.
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**