

## Beta Defensin-14 Mouse Recombinant

<b>Item Number</b>	rAP-0360
<b>Synonyms</b>	Beta-defensin 14, BD-14, mBD-14, Defensin, beta 14, Defb14.
<b>Description</b>	Beta Defensin-14 Mouse Recombinant produced in E.coli is a single, non-glycosylated, polypeptide chain containing 45 amino acids and having a molecular mass of 5.2kDa. The BD14 is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	Q7TNV9
<b>Amino Acid Sequence</b>	FLPKTLRKFF CRIRGGRCV LNCLGKEEQI GRCSNSGRKC CRKKK.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Mouse BD14 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BD-14 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.
<b>Formulation and Purity</b>	BD-14 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4. Greater than 96.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized BD14 in sterile 18M-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	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**