

# Human BD 2 Recombinant Protein



RPPB0071

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## Product Information    Protein Information

**Product SKU:**

RPPB0071

**Accession:**

O15263

**Host:**

Escherichia Coli.

**Protein description:**

Beta Defensin-2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 41 amino acids and having a molecular mass of 4.3 kDa. The BD-2 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

BD-2, hBD-2, Defensin beta 2, Skin-antimicrobial peptide 1, SAP1, DEFB4, DEFB102, DEFB2, DEFB4P, Beta-defensin 2.

**Formulation:**

The Human BD-2 was lyophilized from a 0.2µm filtered concentrated (1mg/ml) solution containing 20mM PB pH-7.4 and 130mM NaCl.

**Purity:**

Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Beta Defensin-2 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

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.

**Amino Acid Sequence:**

GIGDPVTCLK SGAICHPVFC PRRYKQIGTC GLPGTKCCKK P.

**Biological Activity:**

Determined by the ability to chemoattract human dendritic immature cells at a concentration of 10-100ng/ml.