

Human BD-4

Synonyms: HBD-4, DEFB-4, HBD4, DEFB104B, Beta-defensin 4, BD-4.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
5 µg	1184.950.005		
20 µg	1184.950.020		
1 mg	1184.950.199		

Please enquire for bulk quantities and other vial sizes

Description

Beta Defensin-4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 50 amino acids and having a molecular mass of 6 kDa. The BD-4 is purified by proprietary chromatographic techniques.

- **Source** *E. Coli*
- **Purity** ≥ 98 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The DEFB4 (1mg/ml) was lyophilized with 20mM sodium Phosphate buffer pH-7.4 and 130mM NaCl*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

Determined by its ability to chemoattract human monocytes using a concentration range of 0.1-50 ng/ml, corresponding to a specific activity of 20,000-10,000,000 units/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

Stability

Lyophilized Beta Defensin-4 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 avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

EFELDRICGY GTARCRKKCR SQEYRIGRCP NTYACCLRKW DESLLNRTKP

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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