



Product Datasheet

Product Name	Beta Defensin-3 Human Recombinant
Cata No	CB500363
Source	<i>Escherichia Coli.</i>
Synonyms	HBD3, HBP3, DEFB3, HBD-3, HBP-3, DEFB103.

Description

Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence. This gene encodes defensin, beta 103A, which has broad spectrum antimicrobial activity and may play an important role in innate epithelial defense.

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.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

The HBD-3 was lyophilized without additives.

Stability

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.

Sequence

GIINTLQKYY CRVRGGRC AV LSCLPK EEQI
GKCSTRGRKC CRRKK