

BD-4 Protein, Rat

Cat. No.:	HY-P7141
Synonyms:	rRtBD-4; DEFB-4; Beta-defensin 104; DEFB4; DEFB104
Species:	Rat
Source:	E. coli
Accession:	O88514 (Q23-K63)
Gene ID:	64389
Molecular Weight:	Approximately 10.8 kDa

PROPERTIES

AA Sequence	Q S I N N P I T C L T K G G V C W G P C T G G F R Q I G T C G L P R V R C C K K K
Biological Activity	Data is not available.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against 10 mM PB, pH 7.4, 500 mM NaCl.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Recombinant Rat Beta Defensin-4 is an inducible peptide with a broad spectrum antimicrobial activity. Human Beta Defensin-4 (hBD-4) expression is up-regulated by infection with gram-positive and gram-negative bacteria in human respiratory epithelial cells, and in response to phorbol 12-myristate 13-acetate, but not in response to other inflammatory factors that up-regulate the expression of hBD-2 or hBD-3 ^[1] .
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REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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