



Recombinant Human BD-2 (SAP1)

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-004
Size:	20 µg
Lot. No.:	According to product label

Sequence

GIGDPVTCLK SGAICHPVFC PRRYKQIGTC GLPGTKCKK P

Database References

Protein RefSeq:	NP_004933.1
Uniprot ID:	O15263
mRNA RefSeq:	NM_004942.2

Scientific Background

Gene-ID (NCBI):	1673
Synonyms:	DEFB4A; BD-2; SAP1; DEFB2; DEFB4; HBD-2; DEFB-2; DEFB102

Human β -defensin-2 (BD-2) is an antimicrobial peptide which belongs to the distinct family of β -defensins. Recent studies have shown that the β -defensins are present in the human airways and may be relevant to the pathogenesis of cystic fibrosis lung disease. Human BD-2 is a 4.3 kDa protein containing 43 amino acid residues.

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	41
MW:	4.3 kDa

Biological Activity: Determined by its ability to chemoattract immature dendritic cells using a concentration of 10-100 ng/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!