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Product datasheet for AR31146PU-S

Defensin beta 5 Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Defensin beta 5 human recombinant protein, 5 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	GLDFSQPFPS GEFAVCESCK LGRGKCRKEC LENEKPDGNC RLNFLCCRQR I
Predicted MW:	5.8 kDa
Purity:	>98% by SDS-PAGE gel and HPLC analyses
Buffer:	Presentation State: Purified State: Lyophilized (sterile filtered) protein Buffer System: None Preservative: None Stabilizer: None
Endotoxin:	< 0.1 ng per µg (1EU/µg)
Reconstitution Method:	Restore in Water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.
Preparation:	Lyophilized (sterile filtered) protein
Protein Description:	Recombinant Human BD-5 is a 5.8 kDa protein containing 51 amino acid residues.
Note:	Centrifuge vial before opening.
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_689463
Locus ID:	245908

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UniProt ID:	Q8NG35, A0A0K0K1I4
Cytogenetics:	8p23.1
Synonyms:	BD-5; DEFB-5; DEFB105
Summary:	Defensins form a family of antimicrobial and cytotoxic peptides made by neutrophils. Defensins are short, processed peptide molecules that are classified by structure into three groups: alpha-defensins, beta-defensins and theta-defensins. All beta-defensin genes are densely clustered in four to five syntenic chromosomal regions. Chromosome 8p23 contains at least two copies of the duplicated beta-defensin cluster. This duplication results in two identical copies of defensin, beta 105, DEFB105A and DEFB105B, in tail-to-tail orientation. This gene, DEFB105A, represents the more centromeric copy. [provided by RefSeq, Oct 2014]
Protein Families:	Secreted Protein, Transmembrane