

Product datasheet for **TP723031**

beta Defensin 1 (DEFB1) (NM_005218) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human defensin, beta 1 (DEFB1).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	GNFLTGLGHR SDHYNCVSSG GQCLYSACPI FTKIQGTCYR GKAKCCK
Tag:	Tag Free
Predicted MW:	5 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to chemoattract CD34+ dendritic cells using a concentration range of 100.0-1000.0 ng/ml.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_005209
Locus ID:	1672
UniProt ID:	P60022
RefSeq Size:	484
Cytogenetics:	8p23.1
RefSeq ORF:	204
Synonyms:	BD1; DEFB-1; DEFB101; HBD1



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Summary:

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 1, an antimicrobial peptide implicated in the resistance of epithelial surfaces to microbial colonization. This gene maps in close proximity to defensin family member, defensin, alpha 1 and has been implicated in the pathogenesis of cystic fibrosis. [provided by RefSeq, Jul 2008]

Protein Families:

Secreted Protein

Product images: