

## Product datasheet for **TP308244**

### beta Defensin 1 (DEFB1) (NM\_005218) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human defensin, beta 1 (DEFB1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208244 protein sequence Red=Cloning site Green=Tags(s)
	MRTSYLLLF <del>TL</del> CLLLSEMASGGNFLTGLGHRSDHYNCVSSGGQCLYSACPIFTKIQGT <del>CYR</del> GKAKCKK
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_005209</a>
Locus ID:	1672
UniProt ID:	<a href="#">P60022</a>
RefSeq Size:	484
Cytogenetics:	8p23.1



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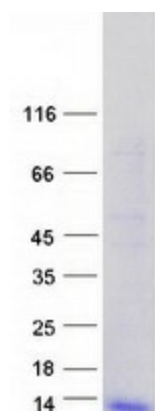
RefSeq ORF: 204

Synonyms: BD1; DEFB-1; DEFB101; HBD1

**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:



Coomassie blue staining of purified DEFB1 protein (Cat# TP308244). The protein was produced from HEK293T cells transfected with DEFB1 cDNA clone (Cat# [RC208244]) using MegaTran 2.0 (Cat# [TT210002]).