

Product datasheet for **TP701109**

DEFB105B (NM_001040703) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human defensin, beta 105B (DEFB105B), Gly28-End, with C-terminal His tag, secretory expressed in HEK293 cells, 50 ug
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC221502, encoding the region Gly28-End of DEFB105B
Tag:	C-HIS
Predicted MW:	7.1KDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 10% glycerol
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:	NP_001035793
Locus ID:	504180
UniProt ID:	Q8NG35 , A0A0K0K114 , B2RU30
RefSeq Size:	237
Cytogenetics:	8p23.1
RefSeq ORF:	234
Synonyms:	BD-5; DEFB-5



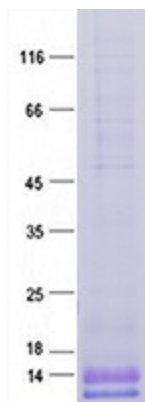
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Summary:

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, DEFB105B, represents the more telomeric copy. [provided by RefSeq, Oct 2014]

Protein Families:

Transmembrane

Product images:

Purified recombinant protein DEFB105B was analyzed by SDS-PAGE gel and Coomassie Blue Staining.