

Product datasheet for **TP701102**

alpha Defensin 1 (DEFA1B) (NM_001042500) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human defensin, alpha 1B (DEFA1B), Glu20-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, RC206426, encoding the region Glu20-End of DEFA1B
Tag:	C-HIS
Predicted MW:	9.5kDa
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, 300 mM imidazole, 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_001035965
Locus ID:	728358
UniProt ID:	P59665
RefSeq Size:	498
Cytogenetics:	8p23.1
RefSeq ORF:	282
Synonyms:	HNP-1; HP-1; HP1



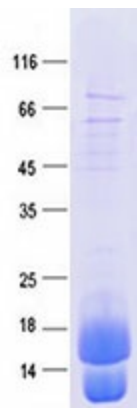
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Summary:

Defensins are a family of antimicrobial and cytotoxic peptides thought to be involved in host defense. They are abundant in the granules of neutrophils and also found in the epithelia of mucosal surfaces such as those of the intestine, respiratory tract, urinary tract, and vagina. Members of the defensin family are highly similar in protein sequence and distinguished by a conserved cysteine motif. The protein encoded by this gene, defensin, alpha 1, is found in the microbicidal granules of neutrophils and likely plays a role in phagocyte-mediated host defense. Several alpha defensin genes are clustered on chromosome 8. This gene differs from defensin, alpha 3 by only one amino acid. This gene and the gene encoding defensin, alpha 3 are both subject to copy number variation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2014]

Protein Families:

Druggable Genome

Product images:

Purified recombinant protein DEFA1B was analyzed by SDS-PAGE gel and Coomassie Blue Staining.