

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_005218 unedited TACCGCAGGCTGNACTTAGATCGAGTAATATATCTTTTTTTTTTTTTTTTTTTTTACTTC AAAAGCAATTTTCCTTTATTTAAAGAATGCTTATAAAAAGTTCATTTCACTTCTGCGTCA TTTCTTCTGGTCACTCCCAGCTCACTTGCAGCACTTGGCCTTCCCTCTGTAACAGGGGCC TTGAATTTTGGTAAAGATCGGGCAGGCAGAATAGAAACATTGCCCTCCACTGCTGACGCA ATTGTAATGATCAGATCTGTGGCCAAGGCCTGTGAAAAAGTTACCACCTGAGGCCATCTC AGACAAAAGTAAGCAGAGAGTAAACAGCAGAAGGTAGGAAGTTCATGGCGACTGGCAG GCAACACCCAGGATTTTCAGGAACTGGGGAGAGGCTGGCTTCTTTGGAGGCTGAGCTCTCT CT TTCCCCCTCCCCCTTTCTTTTTTTTTTTCTTTTTTTTTCTCCCCCTCCCTTTTTNCTC TTTCCCTTCTCCCCCTNTTCNCCCTCCCCCTCCCCCCCCCTTCTCCTTCTTCTT TCTTTCTCCTCCCCCTNTTCTCCNCTCCCCCTCCTTTTCTCCCCCTCCCCCT CCCCTCTCCCCCTTCCCCCTTCTCCCTCCCCCTCCTTCTTCTCCCCCTCCCCCTC CTTTTTTCTCCCCCTTCTCCCCCTTCTCCCCCTCCCTTCCCTCCTTTTCCCTT TTCCCTCCNCCCCCTTCCCTTTTCCCTTCCCCCTTCTTTTCCCTCTTTTTTCT CTTCCCCCTTTTCTCCCCCTTCTCTCCTTCCCTCCCTTCTCCTTTTCTTTCTCTC CCCCCTCCCCCTTCTCTCCCCNCTTCCCTTCCCCNCCCTCCCTCCTTTTTCTTCT TCTCCCTCCCCCTCCCTCCCTTCTCCCTNCTCCCCGTTTCCCTCACACTAAAA
Restriction Sites:	NotI-NotI
ACCN:	NM_005218
Insert Size:	530 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_005218.3 , NP_005209.1
RefSeq Size:	484 bp
RefSeq ORF:	207 bp
Locus ID:	1672
UniProt ID:	P60022
Cytogenetics:	8p23.1
Domains:	Defensin_beta

Protein Families: Secreted Protein

Gene 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]