

Product datasheet for **SC323106**

GSDME (NM_001127453) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GSDME (NM_001127453) Human Untagged Clone
Tag:	Tag Free
Symbol:	GSDME
Synonyms:	DFNA5; ICERE-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC323106 representing NM_001127453.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTTGCCAAAGCAACCAGGAATTTTCTTAGAGAAGTTGATGCTGATGGTGACCTGATTGCAGTATCA
AATCTGAATGACTCTGATAAGTTACAGCTTCTAAGTCTGGTGACAAAAAGAAGAGATTCTGGTGTGG
CAGAGACCCAAGTACCAGTTTTTATCCCTCACCTTGGCGATGTACTCATAGAAGACCAATTTCCGAGT
CCAGTGGTCGTGGAGTCGGACTTTGTGAAATACGAGGGCAAGTTTGCAAACCACGTGAGTGAACCCCTG
GAGACTGCACTGGGAAGGTCAAGCTGAACCTGGGGGGCAGCAGCCGCTAGAGAGCCAGTCTTCATTT
GGAACCCCTGAGGAAGCAGGAGGTGGATTGCGAGCAGTCTCATGAGACTCTGCCGAGAGAACAATAAT
CTGAGAAACCCTGTGCTCCAGCAGGTGCTGGAAGGAAGGAATGAGGTCTGTGCTTTTGACACAGAAG
ATCACGACGATGCAGAAGTGTGATCTCTGAGCATGCAGGTCGAGGAGAAGTGGTGGCATCGTG
GGCATCCAGACCAAGACGGTGCAGGTGTCAGCGACGGAGGATGGGAATGCACCAAGGACTCCAACGTG
GTGCTGGAGATCCAGCTGCCACCACCTTGCCTACGGTGTCTTGTGATTATACGTGAAACTGGACGGC
CAGTTCGAGTTCTGCCTTCTCCGAGGGAAGCAAGGTGGCTTCGAGAACAAGAAGAGAATTGACTCTGTC
TACCTGGACCCCTGGTCTTTCGAGAGTTTGCATTATAGACATGCCAGATGCTGCGCATGGGATATCT
TCCCAGGATGGACCATTAAGTGTTTAAAGCAAGCGACCCCTGCTCCTGGAGAGGAATTTCCATCCATTT
GCGGAGCTGCCTGAGCCACAACAGACAGCTTTGAGTGACATCTCCAGGCGGTCTATTTGATGATGAA
CTACTCATGGTCTGGAACCAAGTGTGCGATGACCTGGTCAGCGGCTCTCGCCACAGTGGCGGTGCTG
GGGAGCTGAAGCCCGGCAGCAGCAGGACCTTGTGGCCTTCTGAGCTGGTGGGTGCAGCTTACAG
GGTGGGTGTCCGGGCCCCGAGGATGCAGGCAGCAAGCAGCTGTTATGACAGCCTACTTCTTGGTCAGT
GCCCTCGCAGAAATGCCAGATAGCGCAGCAGCTCTGCTGGGCATTGCTGCAAACCTCCAGATCATTCCC
ACACTGTGCCACTTGCTTCGTGCTGTCTGATGATGGAGTATCTGATCTTGAAGACCCAACCTTGACT
CCCTGAAAGATACAGAAAGTTTGGGATTGTGCAGCGCTTGTTCCTCAGCTGACATTAGTCTGGAG
AGACTGAAGTCATCTGTGAAAGCTGTCATTCTGAAGGACTCTAAAGTCTTCCCACTGCTTCTTTGTATA
ACCCTGAATGGACTCTGTGCTTTAGGCAGAGAACATTCATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001127453

Insert Size: 1491 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001127453.1
RefSeq Size:	2276 bp
RefSeq ORF:	1491 bp
Locus ID:	1687
UniProt ID:	O60443
Cytogenetics:	7p15.3
Protein Families:	Druggable Genome
MW:	54.6 kDa
Gene Summary:	<p>Hearing impairment is a heterogeneous condition with over 40 loci described. The protein encoded by this gene is expressed in fetal cochlea, however, its function is not known. Nonsyndromic hearing impairment is associated with a mutation in this gene. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode isoform a.</p>