OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG225854

GSDME (NM_001127453) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GSDME (NM_001127453) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GSDME
Synonyms:	DFNA5; ICERE-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG225854 representing NM_001127453
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTTGCCAAAGCAACCAGGAATTTTCTTAGAGAAGTTGATGCTGATGGTGACCTGATTGCAGTATCAA
ATCTGAATGACTCTGATAAGTTACAGCTTCTAAGTCTGGTGACAAAAAAGAAGAGATTCTGGTGCTGGCA
GAGACCCAAGTACCAGTTTTTATCCCTCACCCTTGGCGATGTACTCATAGAAGACCAATTTCCGAGTCCA
GTGGTCGTGGAGTCGGACTTTGTGAAATACGAGGGCAAGTTTGCAAACCACGTGAGTGGAACCCTGGAGA
CTGCACTGGGGAAGGTCAAGCTGAACCTGGGGGGCAGCAGCCGCGTAGAGAGCCAGTCTTCATTTGGAAC
CCTGAGGAAGCAGGAGGTGGATTTGCAGCAGCTCATCAGAGACTCTGCCGAGAGAACAATAAATCTGAGA
AACCCTGTGCTCCAGCAGGTGCTGGAAGGAAGGAATGAGGTCCTGTGCGTTTTGACACAGAAGATCACGA
CGATGCAGAAGTGTGTGATCTCTGAGCACATGCAGGTCGAGGAGAAGTGTGGTGGCATCGTGGGCATCCA
GACCAAGACGGTGCAGGTGTCAGCGACGGAGGATGGGAATGTCACCAAGGACTCCAACGTGGTGCTGGAG
ATCCCAGCTGCCACCACCATTGCCTACGGTGTCATTGAGTTATACGTGAAACTGGACGGCCAGTTCGAGT
TCTGCCTTCTCCGAGGGAAGCAAGGTGGCTTCGAGAACAAGAAGAGAATTGACTCTGTCTACCTGGACCC
CCTGGTCTTTCGAGAGTTTGCATTCATAGACATGCCAGATGCTGCGCATGGGATATCTTCCCAGGATGGA
CCATTAAGTGTTTTAAAGCAAGCGACCCTGCTCCTGGAGAGGAATTTCCATCCATTTGCGGAGCTGCCTG
AGCCACAACAGACAGCTTTGAGTGACATCTTCCAGGCGGTCCTATTTGATGATGAACTACTCATGGTCCT
GGAACCAGTGTGCGATGACCTGGTCAGCGGCCTCTCGCCCACAGTGGCGGTGCTGGGGGAGCTGAAGCCC
CGGCAGCAGCAGGACCTTGTGGCCTTCCTGCAGCTGGTGGGGTGCAGCTTACAGGGTGGGTGTCCGGGCC
CCGAGGATGCAGGCAGCAAGCAGCTGTTTATGACAGCCTACTTCTTGGTCAGTGCCCTCGCAGAAATGCC
AGATAGCGCAGCAGCTCTGCTGGGCACTTGCTGCAAACTCCAGATCATTCCCACACTGTGCCACTTGCTT
CGTGCTCTGTCTGATGATGGAGTATCTGATCTTGAAGACCCAACCTTGACTCCCCTGAAAGATACAGAAA
GGTTTGGGATTGTGCAGCGCTTGTTTGCCTCAGCTGACATTAGTCTGGAGAGACTGAAGTCATCTGTGAA
AGCTGTCATTCTGAAGGACTCTAAAGTCTTCCCACTGCTTCTTTGTATAACCCTGAATGGACTCTGTGCT
TTAGGCAGAGAACATTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

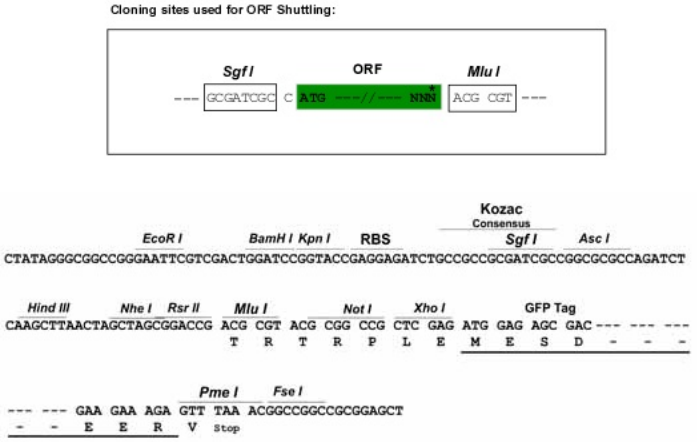
>RG225854 representing NM_001127453
Red=Cloning site Green=Tags(s)

MFAKATRNFLREVDADGDLIAVSNLNDSDKLQLLSLVTKKKRFWCWQRPKYQFLSLTLGDVLIEDQFPSP
VVVESDFVKYEGKFANHVSGTLETALGKVKLNLGGSSRVESQSSFGTLRKQEVDLQQLIRDSAERTINLR
NPVLQQVLEGRNEVLCVLTQKITTMQKCVISEHMQVEEKCGGIVGIQTKTVQVSATEDGNVTKDSNVVLE
IPAATTIAYGVIELYVKLDGQFEFCLLRGKQGGFENKKRIDSVYLDPLVFREFAFIDMPDAAHGISSQDG
PLSVLKQATLLLERNFHPFAELPEPQQTALSDIFQAVLFDDELLMVLEPVCDDLVSGLSPTVAVLGELKP
RQQQDLVAFLQLVGCSLQGGCPGPEDAGSKQLFMTAYFLVSALAEMPDSAAALLGTCCKLQIIPTLCHLL
RALSDDGVSDLEDPTLTPLKDTERFGIVQRLFASADISLERLKSSVKAVILKDSKVFPLLLCITLNGLCA
LGREHS

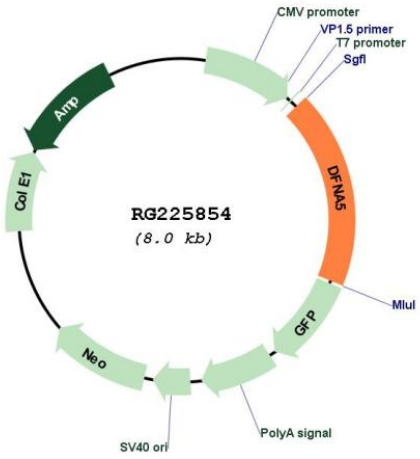
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001127453
ORF Size:	1488 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	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_001127453.2
RefSeq Size:	2276 bp
RefSeq ORF:	1491 bp
Locus ID:	1687
UniProt ID:	O60443
Cytogenetics:	7p15.3
Protein Families:	Druggable Genome
Gene Summary:	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]