

Product datasheet for **SC306309**

TMIE (NM_147196) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMIE (NM_147196) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMIE
Synonyms:	DFNB6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306309 representing NM_147196. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGCGGGGTGGCGGGCGCGGGTCCCCTCTGCGTGCTGGCGGGCGCGCACTCGGGGTGTGCCTCGCG
 GGGGTTGCCGGGCAGCTGGTGGAGCCCAGCACGGCCCCACCAAGCCCAAGCCGCTCCGCTGACCAAG
 GAGACAGTGGTGTCTGGGACATGCGCCTGTGGCAGTGGTGGGCATCTTTTCGCTCTTCGTGTTGTCC
 ATCATCATCACGCTGTGCTGTCTTCACTGTCGTGTGCCACGGACCCGGAAGGAGATCGAAGCCCGG
 TACCTGCAGCGAAAGGCAGCCAAGATGTACACAGACAAGCTGGAGACTGTGCCACCCCTCAATGAGCTC
 ACAGAAGTCCCAGGAGAGGATAAGAAGAAGAAGAAGAAGAAGAAGGACAGTGTGGACACAGTGGCC
 ATCAAAGTAGAGGAGGATGAGAAGAATGAGGCCAAGAAGAAGAAAGGAGAGAAATGA
ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_147196
Insert Size:	471 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).


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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:	<u>NM_147196.2</u>
RefSeq Size:	1861 bp
RefSeq ORF:	471 bp
Locus ID:	259236
UniProt ID:	<u>Q8NEW7</u>
Cytogenetics:	3p21.31
Protein Families:	Transmembrane
MW:	17.2 kDa
Gene Summary:	This gene encodes a transmembrane inner ear protein. Studies in mouse suggest that this gene is required for normal postnatal maturation of sensory hair cells in the cochlea, including correct development of stereocilia bundles. This gene is one of multiple genes responsible for recessive non-syndromic deafness (DFNB), also known as autosomal recessive nonsyndromic hearing loss (ARNSHL), the most common form of congenitally acquired inherited hearing impairment. [provided by RefSeq, Mar 2009]