

Product datasheet for **MC225429**

Otog (NM_013624) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Otog (NM_013624) Mouse Untagged Clone
Tag: Tag Free
Symbol: Otog
Synonyms: 4932420K09; Otgn; twt
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225429 representing NM_013624
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAGCCCGCATGCCAGACGATGCTTGCTTCTCTCTTGCTTTTGCTACTTAGGGTTGAGTCCA
 CTGCAGAGGTGCAGCACCAGGCCTCAGCACTCACATGGAAAATCAGTGCAGAGCTGCAACAGGAGCCTGC
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GACGCCGGTACACATTCCTGCCACGTGTGACGTACATCCTCGCCAAGAGCCGTTCTCAGGCACATTTAC
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TGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_013624
Insert Size:	8736 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:	<u>NM_013624.2</u> , <u>NP_038652.2</u>
RefSeq Size:	10043 bp
RefSeq ORF:	8736 bp
Locus ID:	18419
UniProt ID:	<u>O55225</u>
Cytogenetics:	7 29.66 cM
Gene Summary:	Glycoprotein specific to acellular membranes of the inner ear. May be required for the anchoring of the otoconial membranes and cupulae to the underlying neuroepithelia in the vestibule. May be involved in the organization and/or stabilization of the fibrillar network that compose the tectorial membrane in the cochlea. May play a role in mechanotransduction processes.[UniProtKB/Swiss-Prot Function]