

Product datasheet for **RN214459**

Otos (NM_139188) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Otos (NM_139188) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Otos
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214459 representing NM_139188 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCAGCCCTGTGTGCTGTGGTGGCTGGCTCTTGGCCTTCTGCTGGGGATTCTGCAGGAGCCAAGCCAA
CGCCAGAGGAAGCAGATCCCAACGCCAGCCAGCCATGCCTTACTGGCCTTTTCCACCTCTGACTT
CTGGAACACTCGTGCAATATTTCCAGAGCCAGGGCGCTACCCACAGATCGAGGACATGGCGAGAACCTTC
TTTGCACACTTTCCTCTGGGGAGCACCTAGGCTTCCATGTTCCCTACCGAGGACT**G**A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_139188
Insert Size:	270 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).



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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_139188.3](#), [NP_631927.1](#)

RefSeq Size: 444 bp

RefSeq ORF: 270 bp

Locus ID: 246044

UniProt ID: [Q8K560](#)

Cytogenetics: 9q36

Gene Summary: mouse homolog is necessary for the survival of the neurosensory epithelium [RGD, Feb 2006]