

Product datasheet for **SC306339**

OTOS (NM_148961) Human Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | OTOS (NM_148961) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | OTOS |
| Synonyms: | OTOSP |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene sequence for NM_148961 edited GCCCTTGCTGCAGGTGGGCCTGAGTCGCAGATCAGGAAGCACCGGGAAGATGCAGGCCTG CATGGTGCCGGGGCTGGCCCTCGCCTCCTACTGGGGCCTCTTGCAGGGCCAAGCCTGT GCAGGAGGAAGGAGACCCTTACGCGGAGCTGCCGGCCATGCCCTACTGGCCTTTCTCCAC CTCTGACTTCTGGAACATGTGCAGCACTTCCAGGCCCTGGGGCCTACCCCCAGATCGA GGACATGGCCCGAACCTTCTTTGCCCACTTCCCCTGGGGAGCACGCTGGGCTTCCACGT TCCCTATCAGGAGGACTGAATGGTGTCCAGCCTGGTGCCCGCCACCCCGCCAGGCTGCA CTCGGTCCGGCCCTCCACAGGCATGGAGTCCCCGCAAAAACCTGGCCCTGCAGGAG |
| Restriction Sites: | Please inquire |
| ACCN: | NM_148961 |
| Insert Size: | 400 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: | The ORF of this clone has been fully sequenced and found to be a perfect match to NM_148961.3. |
| 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). |



[View online »](#)

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_148961.3](#), [NP_683764.1](#)

RefSeq Size: 566 bp

RefSeq ORF: 270 bp

Locus ID: 150677

UniProt ID: [Q8NHW6](#)

Cytogenetics: 2q37.3

Protein Families: Secreted Protein

Gene Summary: Otospiralin is synthesized by nonsensory cells (fibrocytes) of the inner ear, and downregulation of otospiralin in guinea pigs leads to deafness (Lavigne-Rebillard et al., 2003 [PubMed 12687421]).[supplied by OMIM, Mar 2008]