

Product datasheet for **SC315774**

OTOL1 (NM_001080440) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OTOL1 (NM_001080440) Human Untagged Clone
Tag:	Tag Free
Symbol:	OTOL1
Synonyms:	C1QTNF15; C1QTNF16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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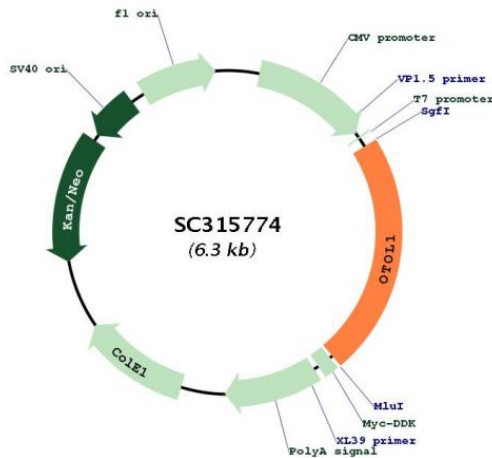
Fully Sequenced ORF: >SC315774 representing NM_001080440.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001080440

Insert Size: 1434 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:	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_001080440.1</u>
RefSeq Size:	1434 bp
RefSeq ORF:	1434 bp
Locus ID:	131149
UniProt ID:	<u>A6NHN0</u>
Cytogenetics:	3q26.1
Protein Families:	Transmembrane
MW:	49.4 kDa
Gene Summary:	This gene encodes a secreted glycoprotein with a C-terminal complement Cq1-like globular domain that belongs to the C1q/tumor necrosis factor-related protein (CTRP) family. The encoded protein is expressed in the inner ear and forms a multimeric complex called the otoconia, together with cerebellin-1 and otoconin-90, as part of the otoconial membrane. It contains extensive posttranslational modifications including hydroxylated prolines and glycosylated lysines. Naturally occurring mutations in this gene are associated with abnormal otoconia formation and balance deficits resulting from vestibular dysfunction. [provided by RefSeq, Jul 2017]