

Product datasheet for **SC331358**

OTX1 (NM_001199770) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: OTX1 (NM_001199770) Human Untagged Clone
Tag: Tag Free
Symbol: OTX1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331358 representing NM_001199770.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGATGTCTTACCTCAAACAACCCCATACGGCATGAACGGGCTGGGCCTGGCCGGGCCCGCCATGGAC
CTCCTGCACCCATCCGTGGGCTATCCGGCCACTCCGCGGAAGCAGCGCGGGAGCGCACCACCTTCAGC
CGTTCACAGCTGGACGTGCTCGAGGCGCTCTTCGCAAGACTCGTACCCTGACATCTTCATGCGGGAG
GAGGTGGCGCTCAAGATCAACCTGCCGGAGTCTAGAGTCCAGGTCTGGTTCAGAACCAGCCGCGCCAAA
TGCCGCCAGCAGCAGAGCGGGAGCGGAACCAAGAGCCGCCAAGAAGAAGTCTCTCCAGTG
CGGGAGAGCTCGGGCTCGAAAGCAGTGGCCAATTCACGCCGCCAGCTGTGTCCAGCTGCCTCGTCC
TCTAGCTCGGCGTCCAGCTCTTCGCAACCCAGCGGCTGCAGCGGCTGCGGGACTAGGTGGGAACCCG
GTGGCGGCCGCTCGTTCGCTGAGTACACCAGCTGCCTCATCTATCTGGAGCCCGGCTCCATCTCGCCA
GGCTCAGCGCCCGCTCCGTGTGGTGGCGGAGCCATTGGCCGCGCCTAGCAACACCTCGTGTATGCAG
CGCTCCGTAGCTGCAGGCGCCGCCACCGCAGCAGCCTTATCCCATGTCTACGCCAGGGCGGCAGC
TACGGCCAAGGCTACCCTACGCCCTCTTCTACTTTGGCGGCGTGGACTGCAGCTCATACTAGCG
CCCATGCACTCACATCACCACCCGACCAGCTCAGCCCCATGGCACCTCCTCCATGGCGGGCCACCAT
CATCACCACCCACATGCGCACCACCCGTTGAGCCAGTCTCAGGCCACCACCACCACCATCACCACCAC
CACCACCAAGGCTACGGTGGCTCTGGGCTTGCCCTCAACTCTGCCGACTGCTTGATTACAAGGAGCCT
GGCGCCGCTGCTCTCCGCTGAAACTCAACTTCAACTCCCCGACTGTCTGGACTATAAGGAC
CAAGCCTCATGGCGGTTCCAGGTCTTGTGA
  
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Restriction Sites: Sgfl-RsrII
ACCN: NM_001199770
Insert Size: 1065 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_001199770.1](#)

RefSeq Size: 2872 bp

RefSeq ORF: 1065 bp

Locus ID: 5013

UniProt ID: [P32242](#)

Cytogenetics: 2p15

Protein Families: Druggable Genome, Transcription Factors

MW: 37.3 kDa

Gene Summary: This gene encodes a member of the bicoid sub-family of homeodomain-containing transcription factors. The encoded protein acts as a transcription factor and may play a role in brain and sensory organ development. A similar protein in mouse is required for proper brain and sensory organ development and can cause epilepsy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.