

Product datasheet for **SC317421**

EMX1 (NM_004097) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: EMX1 (NM_004097) Human Untagged Clone
 Tag: Tag Free
 Symbol: EMX1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >SC317421 representing NM_004097.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGCCTGGCTGGGTGCACACCCCGCAAGGCGGCGCGCCAGGACGCGGAGCGCTCCCCAGAGCCCGG
CTGCCTCGCACAGCTCCCGCGGCTGCGACCATGTTCCAGCCCGCGGCCAAGCGGGCTTTACCATAGAG
TCCTTGGTGGCCAAGGACGGCGGCACCGGCGGGGCACTGGCGGGGGGGCGGGGCTCCCATCTCCTG
GCGGGCGCGCCTCCGAGGAACCGCTCCGGCCACGGCGCTCAACTACCTCACCCAGCGCGGCCGAG
GCGGCTTCGTGAGTGGCTTCCCTGCCGCGCCGCGGGCGCGGGCCGCTCGCTACGGTGGGCC
GAGCTCGTGTCCCCGAGGCCATGAACCACCCCGCGCTGACCGTGCATCCGGCGCACAGCTGGGCGCC
TCCCCGCTGCAGCCCCCGCACTCCTTCTCGGGCGCCAGCACCGGACCTCTCCATTTCTACCCCTGG
GTCTGCGGAACCGCTTCTCGGCCACCGCTTCCAGGCCAGCGACGTGCCCCAGGACGGGCTGCTTCTG
CACGGCCCTTCGCACGCAAGCCCAAGCGGATCCGCACGGCTTCTCGCCCTCGCAGCTGCTGCGGCTG
GAGCGGCCTTCGAGAAGAACCACTACGTGGTGGGCGCCGAGCGGAAGCAGCTGGCCGGCAGTCTCAGC
CTCTCCGAGACGCAGGTGAAGGTGTGGTCCAGAACCGGAGGACAAAGTACAAACGGCAGAAGCTGGAG
GAGGAAGGCCTGAGTCCGAGCAGAAGAAGAAGGGCTCCCATCACATCAACCGGTGGCGCATTGCCAG
AAGCAGGCCAATGGGAGGACATCGATGTCACCTCCAATGACTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI
 Plasmid Map:
 ACCN: NM_004097
 Insert Size: 873 bp



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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_004097.2</u>
RefSeq Size:	2188 bp
RefSeq ORF:	873 bp
Locus ID:	2016
UniProt ID:	<u>Q04741</u>
Cytogenetics:	2p13.2
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS
MW:	31.3 kDa
Gene Summary:	Transcription factor, which in cooperation with EMX2, acts to generate the boundary between the roof and archipallium in the developing brain. May function in combinations with OTX1/2 to specify cell fates in the developing central nervous system.[UniProtKB/Swiss-Prot Function]