

Product datasheet for **SC128132**

EGR1 (NM_001964) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EGR1 (NM_001964) Human Untagged Clone
Tag:	Tag Free
Symbol:	EGR1
Synonyms:	AT225; GOS30; KROX-24; NGFI-A; TIS8; ZIF-268; ZNF225
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_001964 unedited TATGGGGTGGCACTTCCAGNCCAGGNANAGCACTGGGGNAGGGTACAGGGATGCCACC CGGGATCTGTTTCAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGACAAGCTTGAT ATCGGTACCAGATCTGAATTCGGCTTGAGAACCTCCATCTGACCTAAGAGGAACCCTCCT CTCCTATGGCCATCTCCTCCTCCTGTCTTTAAGTCTCTGTGTTCTTTTTCTCCCTTT TCCCTTTCTTTCCCTTTCCCTTTAGCAAATTTCAATTGCTCTGGGAGAAAAGGTTGCTG TCATGTCCGAAAGCCCTGTGGAGGCGCTGAAGGAGTTGGTGACAGCTGAGGAAGGGAAGC TGCTGACCTGGGCGGGAAAGCAGGGGGAACAGAGGAGTACGTGGTGGCCACCGACGGGG AGGGGAAGCCACTGTGCACAGGGGATGGGTAGGTCGAGGAGCCGGGAGAGAGAAGGAGG TGGGCACAGGGGATGGGTATGAGGTGGTGGCCGNGATGGATAAGAGGTAGTAACCGGGG ACGGGTAAGAGGTAGCAACCGGGACGGGTAGGAAGAGAGAGAGGNANGTGGCCGAANAG GCCACAACACTTTTGTCTGCTTTCTTGTCTTCTGCCGAAGTGGATCTTGGTATGCCTC TTGCGTTCATCGCTCCTGGCAAATTTCTCCACAGATGTCGCAAGCGAAAGGCTTTTCG CCTGTGTGGGTGCCGATGTGGTGGTGAAGGTGGTCCCTGCCGGTGAAGTTGCCCATGC AAAATGCCGGACTGGAAGGCCTCCGGGCTGTGTGGATCCGGATAGTCCCGGTGAGCT TCTCCGAACCGGGAAAAACGGCAATCCAGGACTCCACTGGGGCAAGCCGTAAGGCCGT TCCTGGGGGGGGCTTCTGGG
Restriction Sites:	Please inquire
ACCN:	NM_001964
Insert Size:	1800 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	The ORF of this clone is found to be a perfect match to NM_001964.2.
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:	NM_001964.2 , NP_001955.1

RefSeq Size:	3136 bp
RefSeq ORF:	1632 bp
Locus ID:	1958
UniProt ID:	P18146
Cytogenetics:	5q31.2
Domains:	zf-C2H2
Protein Families:	Druggable Genome
Protein Pathways:	Prion diseases
Gene Summary:	<p>The protein encoded by this gene belongs to the EGR family of C2H2-type zinc-finger proteins. It is a nuclear protein and functions as a transcriptional regulator. The products of target genes it activates are required for differentiation and mitogenesis. Studies suggest this is a cancer suppressor gene. [provided by RefSeq, Dec 2014]</p>