

## Product datasheet for **SC325975**

### **EGR2 (NM\_001136177) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	EGR2 (NM_001136177) Human Untagged Clone
Tag:	Tag Free
Symbol:	EGR2
Synonyms:	AT591; CHN1; CMT1D; CMT4E; KROX20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >SC325975 representing NM\_001136177.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

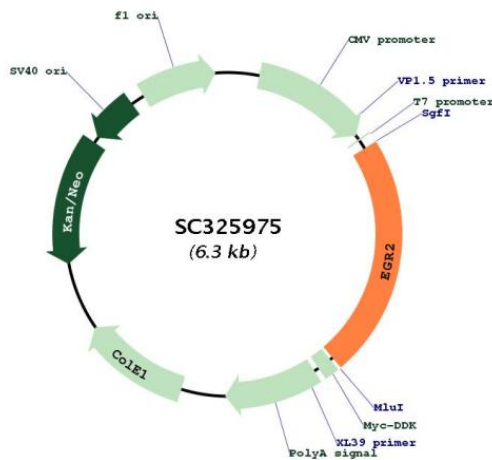
```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGACCGCCAAGGCCGTAGACAAAATCCCAGTAACCTCAGTGGTTTTGTGCACCAGCTGTCTGAC
AACATCTACCCGGTGGAGGACCTCGCCGACGTGGTGACCATCTTTCCAATGCCGAAGCTGGGAGGC
CCCTTTGACCAGATGAACGGAGTGGCCGGAGATGGCATGATCAACATTGACATGACTGGAGAGAAGAGG
TCGTTGGATCTCCATATCCCAGCAGCTTTGCTCCCGTCTCTGCACCTAGAAACCAGACCTTCACTTAC
ATGGGCAAGTTCTCCATTGACCCTCAGTACCCTGGTGCCAGCTGCTACCCAGAAGGCATAATCAATATT
GTGAGTGCAGGCATCTTGAAGGGGTCACTTCCCAGCTTCAACCACAGCCTCATCCAGCGTCACCTCT
GCCTCCCCAACCCACTGGCCACAGGACCCTGGGTGTGTGCACCATGTCCAGACCCAGCCTGACCTG
GACCACCTGTACTCTCCGCCACCGCTCCTCCTCTTATTCTGGTGTGCAGGAGACCTTACCAGGAC
CCTTCTGGTTTCTGTGACGAGCCACCCTCCACCTCTTCTCTGGCTACCCACCCTCCTTCC
TATCCATCCCCAAGCCAGCCACGACCCAGGTCTTCCAATGATCCCAGACTATCCTGGATTCTTT
CCATCTCAGTGCCAGAGAGACCTACATGGTACAGCTGGCCAGACCGTAAGCCCTTTCCCTGCCACTG
GACACCCTGCGGGTGCCCTCCACTCACTCCTCTACAATCCGTAACCTTACCCTGGGGGGCCCC
AGTGCTGGGGTGACCGGACCAGGGGCCAGTGGAGGCAGCGAGGGACCCCGGCTGCCTGGTAGCAGCTCA
GCAGCAGCAGCAGCCGCCGCCGCCGCTATAACCCACACCACCTGCCACTGCGGCCATTCTGAGG
CCTCGAAGTACCCCAACAGACCAGCAAGACGCCGGTGCACGAGAGGCCCTACCCGTGCCAGCAGAA
GGCTGCGACCGGGCGTTCTCCGCTCTGACGAGCTGACACGGCACATCCGAATCCACACTGGGCATAAG
CCCTTCCAGTGTGGATCTGCATGCGCAACTTCAGCCGCAGTGACCACCTCACCACCATATCCGCACC
CACACCGGTGAGAAGCCCTTCGCTGTGACTACTGTGGCCGAAAGTTTGCCCGGAGTGATGAGAGGAAG
CGCCACACCAAGATCCACCTGAGACAGAAAGAGCGGAAAAGCAGTGCCCCCTCTGCATCGGTGCCAGCC
CCCTCTACAGCCTCCTGCTCTGGGGCGTGCAGCCTGGGGGTACCCTGTGCAGCAGTAACAGCAGCAGT
CTTGGCGGAGGGCGCTCGCCCTTGCTCCTCTCGGACCCGGACACCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
```

**Restriction Sites:**

SgfI-MluI

**Plasmid Map:**



**ACCN:** NM\_001136177

**Insert Size:** 1431 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001136177.2</a></u>
<b>RefSeq Size:</b>	2823 bp
<b>RefSeq ORF:</b>	1431 bp
<b>Locus ID:</b>	1959
<b>UniProt ID:</b>	<u><a href="#">P11161</a></u>
<b>Cytogenetics:</b>	10q21.3
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>MW:</b>	50.3 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a transcription factor with three tandem C2H2-type zinc fingers. Defects in this gene are associated with Charcot-Marie-Tooth disease type 1D (CMT1D), Charcot-Marie-Tooth disease type 4E (CMT4E), and with Dejerine-Sottas syndrome (DSS). Multiple transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 3 all encode the same isoform.</p>