

Product datasheet for **SC322023**

IER2 (NM_004907) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IER2 (NM_004907) Human Untagged Clone
Tag:	Tag Free
Symbol:	IER2
Synonyms:	ETR101
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322023
 GGTCCGAGTTCGGAATTTTCGGTTCAAGGCCAGTTCCTCGGATTGTTCTGCGCAACTTC
 AGTTTCCCTTCCAGGCACGGGAATGAGTGTGGCCGCGACGAGTTGGAAGCCCGGAT
 GCGTCCTTCGGTTGGGCGGGGTGTCTCAGTGACGTCACTGGGGGTATAAAAGGCCTGGG
 TGGCGGGCGCCTGGGCAGAGCGTCTAGCAGTGTACTGCGTGGGTTGGTTTGTGTAGAG
 AGGCGTGAGCGAGCCCGTTGTCCGGAGTGCACCTGCTGCCTGTTCTGTCCCTCCCGGAG
 CCCCCTGCGGTGTGGAAGATGTACTACTCCCGCATGCAGCGCGGTGGCCTGCGGCTGCA
 CCGGAGTCTGCAGCTGTGCTGGTCATGCGCAGCGCCCGGAGCTCTACCTCTCGGCCAA
 GGTGGAGGCCCTCGAGCCGAGGTGTGCTTGGCCGCGCCCTCCCTCTGACCCTCGCT
 GCACCCGCCCCGAGAAGCCGAGTCCACGGCCGAGACAGCGACCCCGACGGTGAACACC
 GTTTCGGAGCCAATGGACACGCAGGAGGCGCCGACAGCCGAGGAGACCTCCGCTGCTG
 TGCCCCGCGCCCCGCAAAGTACGCCGCAAACGACGCAGCAGCAGCCTGAGCGACGGCGG
 GGACGCTGGACTGGTCCCGAGCAAGAAAGCCCGTCTGGAAGAAAAGGAAGAAGAGGAGGG
 AGCGTCATCCGAAGTCGCCGATCGCTGCAGCCCTCCGGCGCAAGCGGAGGGCGCCTT
 TCCCAACCTGGCCCGCTCTGCAGAGGCGCTTCCGGCCTCCTGAACGCAGCCCGC
 GGCCCTCCGACGGCGCCCGCCGCTGCGAGGCAAGCCCGCTTCCGCCCGCGGACAG
 CATGCTCAACGTGCTCGTGCGGCCGTGGTGGCCTTCTGAGGACCCCGAGCGCGCTGCC
 GGAGCCCAGAGCGCGCTCGAACCGTCGGCCCGAGGGCGCAGACCTGAGGCGAGGCCACC
 CCCCTCCATCCTGGGGAAAGCGCCCGCAAAACCGTGGAGAGAAGCCCGCCCGGGGCTG
 CTGAGAGGCCCGAGAGGACTGTGCCCGGGAGCCATCGCCTTCAAGTGTGCAGGGAC
 GGCACCGAGGAGTCTGAGCCGGGGCGCGGGCGCCTTCCGCAGAGACCTGCGCCACAGG
 TGCTGTCTTAGTGGACTGGGACGTGAACCTTTCGCTCTCCTTCTGGACTGGGAGAAGGGA
 GGCTTGGGTGTTGTGTTTTTTGTTTTGTTTTGTTTTGTTTTTAAAGATCTCCTCAGGG
 TCGGACTTCATTTTGTACTGTGGCTGTGCTGGCCCTTCAAGGTTTTTCAAGAGTTGGT
 TTTGCGTTTTCAACCTCGGAGAATTCAGGCACTCCCCTTCCCCTCCGCTGACATACTT
 GTATAAGCGGTCATCGTTGCGTCATGGGGCAGGCGTGGGGAGCTTCTGTGCGCTTGCCT
 GGGTGTGGGGCTGGGAGGAGTCTGGGGCGTGCACCCGCCCTGGGCAGTGGGGAGGAG
 AGTGGCCTGAGTACTTACCCCGCGTGTGCTGTTAATGTCCCGCTCTCTGCACCT
 TCGGGTGGGAGCGGGACTGATCTACTTTCACATTCTCAAGTTTTTCTCATCTGCATTAG
 AGGTGCCAGTAGTTCCAGGTTCCAGCGTGCCTCCCTCAGACACACGGACACAATC
 AGCCGAGAAGTTCTGGTCTGAATCACGAGAATGTGGAGGGTGGGGGGTGTGAGTGGAA
 AGGCATAAGGCTGAGCTGAGACCAGTTGCTGGTAAAAGTGGGCAATCTGGGGAGGGGAA
 CATCCTTGCCAGGGAGTTTCTGAGGGTCTGCTTTGTTTACCTTTCGTGCGGTGGATTCTT
 TTTAACTCCGCTACCTGGCGTTTTGTTAGAAATGTCAGATAGGAAAAATAAAACCATTT
 GAGTAAA

Restriction Sites: Please inquire

ACCN: NM_004907

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:

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_004907.2](#), [NP_004898.2](#)

RefSeq Size: 2088 bp

RefSeq ORF: 672 bp

Locus ID: 9592

UniProt ID: [Q9BTL4](#)

Cytogenetics: 19p13.13

Protein Families: Transcription Factors

Gene Summary: DNA-binding protein that seems to act as a transcription factor (PubMed:19584537). Involved in the regulation of neuronal differentiation, acts upon JNK-signaling pathway activation and plays a role in neurite outgrowth in hippocampal cells (By similarity). May mediate with FIBP FGF-signaling in the establishment of laterality in the embryo (By similarity). Promotes cell motility, seems to stimulate tumor metastasis (PubMed:22120713).[UniProtKB/Swiss-Prot Function]