

Product datasheet for **SC117093**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117093 sequence for NM_004907 edited (data generated by NextGen Sequencing)

```
ATGGAAGTGCAGAAAGAGGCACAGCGCATCATGACCCTGTCGGTGTGGAAGATGTATCAC
TCCCGCATGCAGCGCGGTGGCCTGCGGCTGCACCGGAGTCTGCAGCTGTCGCTGGTCATG
CGCAGCGCCCGGAGCTTACCTCTCGGCCAAGGTGGAGGCCCTCGAGCCCGAGGTGTCG
TTGCCGGCCGCCCTCCCCTCTGACCCTCGCTGCACCCGCCCGAGAAGCCGAGTCCACG
GCCGAGACAGCGACCCCGACGGTGTAGCACCCGTTTCCGGAGCCAATGGACACGCAGGAG
GCGCCGACAGCCGAGGAGACCTCCGCCTGCTGTGCCCCGCGCCCCGCCAAAGTCAGCCGC
AAACGACGCAGCAGCAGCCTGAGCGACGGCGGGACGCTGGACTGGTCCCGAGCAAGAAA
GCCCGTCTGGAAGAAAAGGAAGAAGAGGAGGGAGCGTCATCCGAAGTCGCCGATCGCCTG
CAGCCCCCTCCGGCGCAAGCGGAGGGCGCCTTTCCCAACCTGGCCCGCTCCTGCAGAGG
CGTTTCTCCGGCCTCCTGAACTGCAGCCCCGCGGCCCTCCGACGCGCCGCCCGCGTGC
GAGGCAAAGCCCGCTTGCCGCCCGCGGACAGCATGCTCAACGTGCTCGTGGGGCCGTG
GTGGCCTTCTGA
```

Clone variation with respect to NM_004907.2



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004907 unedited NGGTTCAAATTTTGTAAATACGACTCACTATAGGGCGGCCGCGNAATTCGCACGAGGGTCA CTGCGTGGGTTGGTTTGTGTAGAGAGGCGTGAGCGAGCCCGTTGTCCGGAGTGCACCTGC TGCCTGTTCTGTCCCTCCCGGGAGCCCCCGCCGTGTCCGCGTCGAGTCGCCATGGAAGT GCAGAAAGAGGCACAGCGCATCATGACCCTGTCGGTGTGGAAGATGTATCACTCCCGCAT GCAGCGCGGTGGCTGCGGCTGCACCGGAGTCTGCAGCTGTCGCTGGTTCATGCGCAGCGC CCGGGAGCTCTACCTCTCGGCCAAGGTGGAGGCCCTCGAGCCCGAGGTGTCGTTGCCGGC CGCCTCCCTCTGACCCTGCGCTGCACCGCCCGAGAAGCCGAGTCCACGGCCGAGAC AGCGACCCCGACGGTGAGCACCCGTTTCCGGAGCCAATGGACACGCAGGAGGCGCCGAC AGCCGAGGAGACCTCCGCTGCTGTGCCCGCGCCCGCCAAAGTCAGCCGCAAACGACG CAGCAGCAGCCTGAGCGACGGCGGGGACGCTGGACTGGTCCCAGCAAGAAAGCCGCTCT GGAAGAAAAGGAAGAAGAGGAGGGAGCGTCATCCGAAGTCGCCGATCGCCTGCAGCCCCC TCCGGCGCAAGCGGAGGGCGCCTTCCCAACCTGGCCCGCTCCTGCAGAGGCGTTCTC CGGCTCTGAACTGCAGCCCCGCGCCCTCCGACGGCGCCCGCGTGCAGAGGCANA GCCCGTTGCCCGCCGGCNGACAGCATGCTCACGTNGCTCGTGGGGCCGTGGTGGCCTT CTGAGGACCCGAGCGGCGCTGCCGGAGCCANAGCGCGCTCGAACCCGTCGGCCGAGGCG CAGACCTGAGCGAGGCCACCCC
Restriction Sites:	NotI-NotI
ACCN:	NM_004907
Insert Size:	1800 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).
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_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]