

## Product datasheet for **SC107946**

### IER5 (NM\_016545) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IER5 (NM_016545) Human Untagged Clone
Tag:	Tag Free
Symbol:	IER5
Synonyms:	SBBI48
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016545, the custom clone sequence may differ by one or more nucleotides

```
ATGGAGTTC AAGCTGGAGGCTCATCGCATCGTCAGCATCTCTCTGGCAAGATCTACAACCTCGCGGGTCC
AGCGCGGCGGCATCAAGCTGCATAAGAACCTCCTGGTCTCGTGCTGCGCAGCGCCCGCAAGTCTA
CCTGAGCGACCCGTGCCCGGCCCTACCTGGCCGGTCCCGTGGGACCCCGCGCCGCCACCGCAGCAG
CAGCCCGGGGAGCCGGCGCCGGCCACCCCGCGGCTGGGAGAGCCGCCCGCCCGCGCTCGTGCT
CTTGGCCGGAGACCGAGCCGAGCCGGAGCGCTCCTCCGTCTCAGACGCGCCGCGGTAGGGACGAGGT
GCCGGTGGCCACGGTACTGGAGTCGGGACGTTTTTCAGGGCGGAGAGGCGGACGCGACGGAAGCTGCC
TGGAGCCCGTGGAGGGCCGCGCCAGGGCGCGCCAGAGAAGCCGAGGGTACCGCGGAGGCTGGGGCG
TCTTCCCGAGGTATCTCGTGCCGCGCGCCCGCTGCGGCTGCCCCCTAGGCGGGGAGGACCCGCGGG
TACACCGCCGCGACCCCGCGCTGCCTGCTGCTGCGCGCCGCAACCAGCGGAGGACGAGCCCCCGCG
CCGCCCCGGTGTGCCCCAGGAAGCGCTGCGCGCGGGGGTGGGCGGCGGCCAGCGGGCTGCCCGCGC
CCGGCTCGACCCCGCTCAAGAAGCCCGCCGGAACCTTAGAGCAGCCCGAGTGGAGGAGAGGACGACGA
CGCGGAGGAGATGGAGACCGGGAACGTGGCTAACCTCATCAGCATCTTCGGTTCCAGTTTCTCGGGACTC
CTACGGAAAAGCCCCGGGGCGGCAGAGAGGAAGAGGAGGAGAGGAGCGGTCCGGAAGCCCGCGAGC
CCGGCAGATCTGCTGCGATAAGCCGGTCTGAGAGACATGAACCCTGGAGCACAGCCATCGTGGCCTT
CTGA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_016545 unedited  
 NTGGTCAAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGAACGGGGA  
 AGTTGTCTTGTGGAGAGGTTAGTAGAGCAGCGCGCGTACCAGAGTCGTTTCTCTT  
 CGGAGTCTTAGGTGATCGAGGGTGTGCCAGGGGGCGGACTTGTTTGGCCTCCCCTTCC  
 CTCCAATTTCCAAACGTGTACCCCGGCGCCACGGCCCTGTGCAGGGGAAGCAGATGG  
 AGTTCAGCTGGAGGCTCATCGCATCGTCAGCATCTCTCTGGGCAAGATCTACAACCTCGC  
 GGTCCAGCGCGCGCATCAAGCTGCATAAGAACCTCCTGGTCTCGCTGGTGTGCGCA  
 GCGCCCGCAAGTCTACCTGAGCGACCCGTGCCCGGCCCTACCTGGCCGTCCCGCTG  
 GGACCCCGGCGCGCACCCGAGCAGCAGCCCGGGAGCCGCGCGCCGGCCACCCGCGG  
 GCTGGGGAGAGCCGCCCGCCCGCCGCTCGTGCCTCTTGGCCGGAGACCAGCCGACG  
 CGGAGCGCTCCTCGTCTCAGACGCGCCGCGGGTAGGGGACGAGGTGCCGTGGCCACGG  
 TGACTGGAGTCGGGGACGTTTTTTCAGGGCGGAGAGGGGACGCGACGGAAGCTGCCTGGA  
 GCCCGTGGAGGGGCCGCCAGGCGCGGCCAGAGAAGCCGAGGGTACCGCCGAGGCT  
 GGGCGTCTTCCCGAGGTATCTCGTCCGCGCGCCGCCCTGCGGCTGCCCCCTTAGCG  
 GGGAGGACCCGCNCGGTACACCGNCGGACCCCGCGTGNCTGCTGCTGCGCGCCGCG  
 ACCAGCGNAGACGAGCCCCGCGCCCGCGTGTGCCCCAGAGCGCTGCGCGCGGGG  
 TG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_016545 unedited  
 CGCGGCCGATTCTANATCGAGTTTTTTTTTTTTTTTTTGTCTCAAATATTTAATACG  
 TGTTAGACACGTAGAAGTTACATTTTTATACAAAATCAATACAACGAAGGAGAAAATAC  
 TGTACAAAACCTTATCAGCTCCCCAACCTTTATACAACAAAGACTGGAGTCACCATAT  
 CTACAAAACCATAAAGTCTTCCACTTCGGGCTTCTGTCTGTAACCTCTCATTAAACACT  
 TTTTAAAAGCACTGTGTAGTACTTCTGACTTAGAGCTTTTAAAAATATATCTTTTCTCTA  
 TAAACTCCATTATTTACAAGCTTGAACCTTCTGTGAAGTTGATAAGCTTTTTTCTCCC  
 TGCGGGGAAGCAAAGGACCGTTAATACGCCCTTCTAGAGCAATCACAGGATATAAAC  
 GTCCCTTCATTGGGAGAGAAAGGCGGGGAGGGACAGAAGGAATCAAGACTGGGCTCTTG  
 GCTAAACCTCTCGAGTTACGAAATCCTGTGCGGAAACGCCACTACTGGCCCTGAAGCG  
 GGAGTAGCTTTACGGTGACGCGCTTGCCTAAAGCTCCTCCCTCTCCGACAACGAATGGG  
 GAACACCCGGTCCCCACCTTCTACTCGTTAATTTATACACCATTAACCGACTCAGGAAA  
 ATACCCGATTGCACCTAACTATTAACCCCTGGGAAAGAGTGGCGCCTTTTCCAAAAGCTT  
 ATCTCGTTTAAACGCTCTGGGACCGACTTACTTCCCTGGCACTCCCTATACCTATACGTTA  
 ACGATCGTTCTTTACTACGAGCTTAACTTCCAGTTCTCATAATACACCATAGCACT  
 CGGGGGCAACTTGCAAGTCAAAGGAAAACATATCTGCCTAACCGCTTAAACGACTCCG  
 GATCTTGGGGATATACAAAACCGGAAGGGCACCGATCCTCTATTTGGGAACCCGGCTT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_016545

**Insert Size:**

2240 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:**

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\\_016545.3](#), [NP\\_057629.1](#)

**RefSeq Size:** 2369 bp

**RefSeq ORF:** 984 bp

**Locus ID:** 51278

**UniProt ID:** [Q5VY09](#)

**Cytogenetics:** 1q25.3

**Gene Summary:** This gene encodes a protein that is similar to other immediate early response proteins. In the mouse, a similar gene may play an important role in mediating the cellular response to mitogenic signals. Studies in rats found the expression of a similar gene to be increased after waking and sleep deprivation. [provided by RefSeq, Jul 2008]