

## Product datasheet for **RN208127**

### Ier2 (NM\_001009541) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ier2 (NM\_001009541) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ier2  
**Synonyms:** MGC72578  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN208127 representing NM\_001009541  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGAAGTACAGAAAGAAGCGCAGCGCATCATGACTGTCCGTGTGGAAGATGTACCACTCTCGCATGC  
AGCGCGGTGGCTTGCCTCCACCGAGTCTGCAGCTGTCCCTCGTTATGCGCAGCGCTCGGGAGCTCTA  
CCTCTCAGCCAAGGTAGAAACCCACCAGCCGAGTTCGCCCATCCGCGAGGCCCTTGACCCTCGCCTG  
CACCCGCCGAGAACCCGAAGCTGCAATGGAAGCAGCGACCCCTGACGTGAGCAGCCTCCGGAGCCCA  
TGGACACGCAAGAGGAAGTGCTGCGAGTCCAGGAGACCCCGCGCTCTGTGACCCGCCCCCGCTAGAGT  
CAGCCGCAAGCGCCGGAGTAGCAGCGACTTGAGCGACGGTAGTGATGCCGGACTGGTACCAAGCAAGAAG  
GCCCGTCTGGAAGAGGTGGAGGGGGAGGCGACGTCGGAGGTCTCCAATCGCTGCAGCTTCTCCCGCAC  
AAACCGAAGGTGCCTTCCCTAACCTCGCCCGCTCCTCAAAGGCGCTTCTCCAGTCTCTGAACTGTGG  
GCCCGCGTGCCTCCCGCGACGCCCCACGTGCGAGGCCAAGCCAGCCTGCCGCCGCGCGACAATATG  
CTCAACGTGCTGGTGCGAACCGTGGTGGCTTC**TGA**

**ACGCGT**ACGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001009541  
**Insert Size:** 666 bp



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<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>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_001009541.1</a></u> , <u><a href="#">NP_001009541.1</a></u>
<b>RefSeq Size:</b>	1564 bp
<b>RefSeq ORF:</b>	666 bp
<b>Locus ID:</b>	494344
<b>UniProt ID:</b>	<u><a href="#">Q6P7D3</a></u>
<b>Cytogenetics:</b>	19q11
<b>Gene Summary:</b>	DNA-binding protein that seems to act as a transcription factor (By similarity). Involved in the regulation of neuronal differentiation, acts upon JNK-signaling pathway activation and plays a role in neurite outgrowth in hippocampal cells (PubMed:17156131). May mediate with FIBP FGF-signaling in the establishment of laterality in the embryo (By similarity). Promotes cell motility, seems to stimulate tumor metastasis (By similarity).[UniProtKB/Swiss-Prot Function]