

## Product datasheet for **RN207864**

### Igfals (NM\_053329) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Igfals (NM_053329) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Igfals
Synonyms:	Als
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN207864 representing NM\_053329  
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC  
 GCCC

ATGGCCCTGAGGACAGGAGGCCAGCCCTGGTGGTGCTTCTGGCTTTCTGGGTGGCACTGGGCCCTGT  
 ACCTGCAGGGGACAGATCCCGGAGCGTCGCAGATGCCGAGGGCCCCAGTGCCCCGTCGCTGTACCTG  
 CAGCCATGATGACTACACAGATGAGCTCAGCGTCTTTTGCAGTTCAAAGAACCTCACACATCTGCCTGAT  
 GACATCCCAGTCAGCACCAGAGCCCTGTGGCTTGATGGCAACAACCTCTTTCTATCCCCTCAGCGGCC  
 TCCAGAACCTGTCCAGCCTGGACTTTCTCAACCTGCAGGGCAGCTGGCTGAGGAGCCTGGAGCCACAGGC  
 ACTGCTGGGGCTGCAGAACCTCTACTATCTGCACCTGGAACGGAACCGGCTCCGGAACCTCGCCGTGGC  
 TTGTTACACACACACCGAGTCTGGCTTACTCAGCCTGAGCAGCAACCTCTGGGCCGGCTGGAGGAAG  
 GGCTGTTCCAGGGCCTCAGTCACCTTTGGGACCTCAACCTGGGTGGAACAGTCTAGTGGTCTGCCTGA  
 CACAGTGTCCAGGGACTGGCAACCTCCACGAGCTGGTCTGGCTGGCAACAACTGACTTACCTGCAG  
 CCTGCGCTCTTCTGTGGCTTGGGCGAGCTGCGGGAGCTGGATCTGAGCAGGAACGCACTCCGAAGCGTCA  
 AAGCTAACGTCTTTGTACATTTGCCAGGCTGCAGAAGCTGTACCTGGACCGGAACCTCATTACAGCCGT  
 GGCCCTGGTGCCTTTCTGGGCATGAAGGCCCTGCGTTGGCTGGACCTGTGCGACAACCGCGTGGCTGGC  
 CTCATGGAGGACACCTTCCAGGCCTGCTGGCCCTGCACGTCCTGCGCCTGGCACACAATGCGATCGCTA  
 GCTTGGCGCCGCGCACTTCAAAGACCTGCACTTCTGGAGGAACTGCAGCTGGGCCACAATCGAATCAG  
 GCAGCTCGGGGAGAGGACATTCGAGGGCCTGGGGCAGCTGGAGGTGCTGACGCTCAATGACAACCAGATC  
 CTGAGGTGAGGTGGGGCCTTCTCTGGCCTTTTCAATGTGGCGTTATGAATCTCTCCGGCAACTGTC  
 TGAGGACCTCCCGGAGCGGGTGTTCAGGGTCTGGACAACTGCACAGCCTGCACCTAGAGCACAGCTG  
 CCTGGGTACGTCGCTCCGCTGCACACTTTTGGTGGCCTCTCAGGGCTGCGCAGGCTCTTCTCAGGGACAAC  
 AGCATCTCCAGCATCGAAGAACAGAGCCTGGCAGGGCTTTCGGAGCTCCTGGAACCTGGATCTTACTACCA  
 ACCGCCTCACACATCTGCCCCGCGAGCTTCCAGGGCCTCGGCCACCTGGAGTACCTGCTTCTCTCCTA  
 CAACCAACTGACGACTTATCCGCGGAGGTCTGGGCCCTCTGCAGCGGGCCTTCTGGTTGGATATCTCA  
 CACAACCACCTGGAGACGCTGGCCGAAGGCCTTTTCTCATCTCTGGGGCGGTTTCGCTACCTCAGCCTCA  
 GGAATAACTCCTGCAGACCTTTTACCACAGCCCGCCTGGAGCGCCTGTGGCTTGATGCCAACCCCTG  
 GGACTGCAGCTGTCCCCTCAAGGCGCTTCGAGACTTTGCCCTGCAGAACCCTGGTGTGTCCCCGCTTT  
 GTTCAGACTGTCTGTGAGGGGACGACTGCCAGCCGGTGTACACCTACAACAATACACTTGCCTGGCC  
 CGCCAACGTCTCGGGCCTCGACCTAAGAGACGTTAGTGAACACATTTTGTGCACTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** AscI-MluI
- ACCN:** NM\_053329
- Insert Size:** 1812 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\\_053329.2](#), [NP\\_445781.2](#)

**RefSeq Size:** 2190 bp

**RefSeq ORF:** 1812 bp

**Locus ID:** 79438

**UniProt ID:** [P35859](#)

**Cytogenetics:** 10q12

**Gene Summary:** subunit of the ternary insulin-like growth factor-binding protein complex; involved in controlling the bioavailability of circulating insulin-like growth factors [RGD, Feb 2006]