

Product datasheet for **MC216865**

Sesn3 (NM_030261) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Sesn3 (NM_030261) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Sesn3 |
| Synonyms: | 5630400E15Rik; BC003348; SEST3 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC216865 representing NM_030261
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACCGCGGTGGCAGCAGCGGTGCGCTCGGCCAACTACCTGCTCTGCACCAACTGCCGAAAAGTGC
 TCGGGAAGGACAAAAGAATCCGAGTGTCTCAACCCTGACAAGAGGACCAAGTGCTTTATTCCAGAGAA
 GGAAGTTGTCCAAGCAAATACGGCGGATGAACGAACAACTTTCTTGTGGAAGAGTACTCTACATCCGGT
 CGCCTGGACAACATCACACAGGTGATGAGCTTGACACTCAGTACCTGGAATCTTTCTTGGCAGCCAGT
 TCTACATGCTGCGTATGGACGGCCCCCTCCCTCCCAGACAGGCACTACATTGCCATCATGGCTGCAGC
 CAGACACCAGTGTTCCTACCTAATAAACATGCATGTGGATGAATTTTTAAAGACTGGAGGGATCGCTGAG
 TGGCTGAATGGCTTGAATATGTACCACAAAGACTGAGAAATCTTAATGAAATTAACAAGCTGCTGGCAC
 ACCGGCCCTGGCTGATCAGAAAAGACACATTCAGAACTTGCAAACTGGAGAAAATAATTGGTCCCT
 GCCTGAGCTAGTGCACCGGTGGTCTCTGGCTCACTATCACGCTTTGGCCAGCTTTGTTTTGGTAGT
 GGCATCAATCCAGAGAGAGACCCAGGAATCGCCAATGGGTTGAGACTAATCTCTGTGAGCAGCTTCTGTG
 TGTGTGACCTGGCCAATGACAACAGCATCGAGAACACCTCCCTGGCGGGCAGCAACTTTGGGATTGTGGA
 TTCCCTAGGCGAGCTGGAAGCCTTAATGGAAAGGATGAAAAGGCTTCAGGAAGACAGGGAAGATGACGAG
 ACCACTCGGGAAGAAATGACCACGCGTTTTGAGAAGGAAAAGAAAAGAAAGTCTCTTTGTGGTCCCTGGAG
 AAATTTACATGCGTTTTCTCACTCAGATTTTGAAGATGATGTGATTGTAAACAGCCGATGTCTCTCGATA
 CATTGAAGACCAAGCTTTGGGTACGAAGACTTGGCAGGCGAGGAGAAGAACATTTGCCAACATTCCGA
 GCCCAGGACTACACTGGGAAAACCATGGGTTCTCACTGGTGAACAGGCTTTACTCTGACATTGGACATC
 TCCTGGATGAGAAGTTTGAATGGTCTACAATTCACCTACAACACAATGGCCACCCATGAGGATGTTGA
 CACGACCACACTGCGCAGAGCTTTGTTAACTATGTTCACTGTATGTTTGAATCAGGTATGATGACTAT
 GACTATGGAGAAGTTAACAGTTACTTGAACGGAGCCTGAAGTTTACATCAAGACAGTGACCTGTACC
 CTGAGAGAACCACGAAGCGCATGTATGACAGCTACTGGCGCCAGTTCACTCACTCAGAGAAGGTCCACGT
 GAATCTGCTTCTGATGGAAGCACGGATGCAGGCCGAGCTGCTTTATGCTCTGCGAGCCATAACTCGGCAT
 CTGACCTGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_030261

Insert Size: 1479 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_030261.4](#), [NP_084537.2](#)

RefSeq Size: 2158 bp

RefSeq ORF: 1479 bp

Locus ID: 75747

UniProt ID: [Q9CYP7](#)

Cytogenetics: 9 A1

Gene Summary: May function as an intracellular leucine sensor that negatively regulates the TORC1 signaling pathway (PubMed:25259925). May also regulate the insulin-receptor signaling pathway through activation of TORC2 (PubMed:25377878). This metabolic regulator may also play a role in protection against oxidative and genotoxic stresses (By similarity).[UniProtKB/Swiss-Prot Function]