

Product datasheet for **MC221443**

Sacs (NM_172809) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sacs (NM_172809) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sacs
Synonyms:	A230052M14; DNAJC29; E130115J16Rik; mKIAA0730
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221443 representing NM_172809
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGACCGAGGAGACGAGGTGGTCCGCGTGACCGTGTCCGCGGCTGCGTGGGCTGCAGGACCGTGG
 CGGTGCCGGCGACCGCTACCGGGCGGGACCTCAAGGAGCGCATCTTCGCTGAGACCAGCTTCCGGTGGC
 GGAGCAGCGACTGTGGCGGAGACAGGGAGATACCTGATTGGATCAAGATTGGAGACCTGACTTCTAAA
 ACCTGTCACTTTTTGTAACCTTCAATCAAAGGCTTAAAGGGGGAGGTGATTTGGTCAAACAACCTC
 CACCCTTGTGATTTTCTCAAGGATATTTAAGAAGATATCCAGAAGGAGGACAGATCCTTAAGGAATT
 AATTCAGAATGCAGAAGATGCTGGGGCCACAGAGGTTAAATTTTTATATGATGAAACACAATATGGAACG
 GAGACTCTTGGTCGAAAGATATGGCACAATATCAGGGCTCAGCTCTTTATGTGTACAACAATGCGGTTT
 TCACCCAGAGGACTGGCATGGCATTAGCAAGAAAGCAAGAAAGATGATCCCTGAAGGT
 TGAAGATTTGGAATTGGTTTAAATCTGTCTACCATATAACAGATGTTCTTGTATCTTTAGTGGTGAC
 CAGATAGGAATGTAGATCCTCATCAAACACTGTTTGGCCCCATGAATCTGGCCAAATGTTGGAATCTCA
 AAGATGACATCAAAGAAATAAATGAGCTTCCGGATCAGTTTGCCCCCTCATTGGTGTTTTTGGAAGCAC
 CAAGGAAACCTTTACAAATGGCAGCTTCCAGGGACATTTTTCCGTTTCCCTCTTCGCTTACAGCCTTCC
 CAGCTTAGCAGCAATCTCTACACTAAGCAGAAGGTTCTGGAGTTGTTGACTCTTCCGGCGGATGCAG
 ACACAGTGCTACTCTTCTGAAGAGTGTGCAGGCGGTGTCTTTACATGTCGAGAGGCTGATGGGACAGA
 AAACTGGTATTTAGAGTGACTGCTAGTGAGAAATAGGCCCTGAAACATGAACGGCCAAATCTATCAAG
 ATTTCTGGGAACGGCTATAAGTAACTATTGTAAGAAAGATCCCAAGCAACAGTGTACCTGTGTAACATATC
 ATATAACATAGTTCTGGAGGATGAGAGCACGAAAGATGCCCAGAAGACGTCGTGGTTGGTATGTAACATC
 TGTGGGCGGGCGGGCATTAGTAGTAACTGGATTCTTTGGCTGATGAACTGAAATTTGTTCCAATCATT
 GGACTAGCCATGCCTTTATCAGGCAAGGATGAAGAAAATGGAGCAATATCTGATTTCTCAGGAAAAGCAT
 TTTGTTTTCTCCTCTGCCTCCTGGTGAAGAAAGCAGAACAGGACTTCCAGTTTATATCAGTGGTTTCTT
 TGGCCTGACTGACAACCGCAGGAGCATAAAATGGAGAGAGTTGGACCAATGGAGAGACCCTGCGGCCTTG
 TGAATGAATATCTTATTGTGAATGTTGTTCCCAAACCTATGCTACTCTCATCTAGATTCAATAAAAC
 GCCTGGAGACAGAGAAGAGCTCTGATTTCCCTTATCAGTTGACACCATCTACAACTTTGGCCTGAGGC
 CAGCAAGGTCAAGGCACACTGGCATCCAGTGTGGGTCCACTGTTTGTGAACTGTTCCAGCATGCTGTC
 ATTTACTCAATTGGTGGCGAGTGGTGAAGCTGGAGCAGGTGCACCTTCTCAGAACTTGACGGAAGTTTAG
 AATCCACGCGATCTGTGCTCAACTACCTCCAGAGCTCAGGGAAGCAGATTGCCAAGTCCCAGGGAACCT
 GGCTGCTGCTGTTGAGCTCAGTGCAGCCTCTGCCACCTCCAGTGCCTCTCCTGTGAGAAAGGTGACGCCT
 GCGTGGGTGCGGCAGGACTGAGGAAGTGTGCACACCTGGGCAGTGCAGGAAAGAAAGCTGCATCTTCTGG
 AATTTGTGCTTTCCGACCAAGCCTACAGTGAGCTGCTCGGGCTTGAGCTGTTGCCTTTACAGAGCGGGC
 TTTTGTCCCCTTCTCCTCGTCTGTCTCTGATCAAGATGTTGTTTACATCACCTCAGAAGAATCCCAAGG
 TCCCTTTCCAGGTCTTGAAGCAAGACTTATTTGGAGAAGTGAAGCCTCACCTTCTAGCTGCTTTAA
 AAGAAGCTGCGCAGACCCGAGGTTATGTGAAACACGACCTTCTTACCCTCTGGAGCGTATTTCTTTGGC
 ATACAGCGGAAATAAAAATCCGACTCTCCTTCCAGGCGAAGTCCATCTGCTGTAACATGCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
 ACCN: NM_172809
 Insert Size: 2307 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_172809.3](#), [NP_766397.2](#)

RefSeq Size: 3343 bp

RefSeq ORF: 2307 bp

Locus ID: 50720

UniProt ID: [Q9JLC8](#)

Cytogenetics: 14 32.13 cM

Gene Summary: Co-chaperone which acts as a regulator of the Hsp70 chaperone machinery and may be involved in the processing of other ataxia-linked proteins.[UniProtKB/Swiss-Prot Function]