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Product datasheet for MC224623

Nacad (NM_001081652) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nacad (NM_001081652) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nacad
Synonyms:	D230024G13Rik; mKIAA0363
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224623 representing NM_001081652 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGCGCCCTCCCTCTGGCGCTCCGCAGTGCTCGGCGCGCTGGCGCACGCTCACTCGGCTTGATAGGCG GGCGGGGCAGCGCTGACGTCATTTACGCCCCCCCCCCCCCCAGCAGAGGGGCGGTGGCCGTGCTGGCTAC TCCGAGCGCATTGACGGACAGAGGGACAGAGAGACAGGGGTATCGGCAGGCACACGTCCAGGCCATGCCA GGGGAGGCTGCGGGCGCTGAGCTGCCGCTGCCTGAGGCAGGAGGGCCTGGATCCCGCACAGATCACTCAT GTGATGCAGCTATTGCAACCATCCTGAAAGGGGACCAACTGGAGCCCCATGGCCTGACCCCGGGGCCTAG TCCTCTGGCCCTCACGTTCCTGTCCAGCAAGCCAGGTGCCCGGCCCCAGCCTGAGGGGGCCAGCTGGGAT GCAGGGCCCAGTGGAGCTGCCTCAGCCTGGGTGGACCCGGCAGAGGGCAGCCCAAGCCTAGTGGTCCTCC CCGAGGGCCTGCCTCTCCGGCCTGTGCCTGCCGAAGGCCCTCTCCCCACCACCCTGGAGCCCCGCATCGT GATGGGTGAGGAGACATGCCAGGTCATCGCTTCACCTAGGGCAGCCTGGCCAGTGCTCAGGGACCGGGAG GGTGGGCACCCTGCCCTGCACCCACCTCCAGAGCTGTGTTCTCAGGGCGATCCTCCTGTGCCTTCCCCTC CCCCTGACCTCGAGTCTTACTTCACACCCCCCTCTACTCCCACCAAGAGCACCCATGCCCTGCTTCCTGA CCATGGGCCCCACAGGGATGCCTGGGATCTGGAGGCCGAGCTGCTGGATGAGTTATTGGACTCCACGCCA GCCTCACCCTCCGGCTCCTACATTACAGCAGACGGGGACAGCTGGGCTTCATCCCCTTCCTGTTCCCTCA GCCTGCTGGACCCAGCTGAAGGGCTGGACTTTCCCTCCGACTGGGGCCTTTCCCCATCAGGGTCAGTGGC AGATGACCTAGAGCCACACCCCGCAGCACCTCCAGAGCCCCCATCCTCTGAGTCTAGCCTCTCAGCAGAC AGCAGCTCTTCCTGGAGCCAAGAGGGCCATTTCTTTGACCCAAACTTCCTGGCCAACGACCCGATGATCC CTGCCGCCCTACTACCCTTCCGGGGTAGCCTCATCTTCCAGGTGGAGGCTGTGGAGGTGACACCATTGCC CCAAGAGGAGGAGGAAGACGAAGAGGATGTAGCTGCTACTGCTGCTGCTGCTGCTCCTGCTGCTGCAACC CCAGATGGAGACCTGGCTGGGGAGGGGGAGGATGACAGCACGTCTGCCTCCTTCCTGCAGTCGCTGTCCG ACCTGTCCATCATCGAGGGCATGGATGAGGCCTTCGCCTTCCGGGATGACACCTCCGCAGCCTCCTCTGA CTCAGACTCGGCTTCCTATGCTGGGGCAGATGATGACAGGCTGTACAGTGGGGAGCCCCATGCCCAGCCC AGTGCTCAGAATACAGAGCAGGCCTACAGAAGTAGGGCTACATTCCCAGGGATAGAGTCCACACCTCAGA

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ATATTGTCAATGCTATCATGGAACTGACAATGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001081652

Insert Size: 4515 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_001081652.1, NP_001075121.1
RefSeq Size:	4914 bp
RefSeq ORF:	4515 bp
Locus ID:	192950
UniProt ID:	Q5SWP3
Cytogenetics:	11 A1
Gene Summary:	May prevent inappropriate targeting of non-secretory polypeptides to the endoplasmic reticulum (ER). May bind to nascent polypeptide chains as they emerge from the ribosome and block their interaction with the signal recognition particle (SRP), which normally targets nascent secretory peptides to the ER. May also reduce the inherent affinity of ribosomes for protein translocation sites in the ER membrane (M sites) (By similarity).[UniProtKB/Swiss-Prot Function]