

Product datasheet for **MC224964**

AI314180 (NM_172381) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AI314180 (NM_172381) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	AI314180
Synonyms:	AW558785; BB181316; mKIAA0368
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224964 representing NM_172381 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACCGGCTCCGACTCAGATCAGCTCGAACGGGTCTTTTACGACTTGGCCATGCTGAAACAGATG
AACAGTTACAAAATTATTATCTAAATTCCTTCCTGTTCTGCTCAAACGTCCAGCACCCAAGAAGG
AGTACGGAAGAAAGTAATGGAAGTCTGGTCCATCTGAATAACGTATAAAAGCCGCCCAAAATACAG
CTTCCAGTAGAAACACTATTGGTTCAGTACCAGGACCTGCTGCAGTTTCCTTTGTCACGAATTTTACTA
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TACTGCCATGGAAGGAAACCTCAGCCACAGCAGGATAGCTTAATGCATCTTTAATACCAACTCTTTT
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CAGCCTCCCCAGGAATGAGCTTTTATGCAGCTAAACGAGTTATTGGTGACAACCCGTGGACACCTGAAC
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GTTCGGCAAGTTGCAGTGAAATTTGCCAGCACGGTGTTTCCCTCAGATCATATACCTTCCAGATACTTGC
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CCCAACGTTGTTATCGGCAGGAGCTGTGCAAACTGATGTGTGAGCGGCTAAGACTCAGCAGCTGGAAGT
GCAGCTAGGTGTCCTCCAGTCAATGAACGCCTTTTCCAGGGTTAATGCTTCTGGAAGAGGAACACGCA
GATCCTGAAGCTCTGGCTGAGATTCTTCTGAAACATGCAATCAATTACTTACTCTTTAGAAAATAAGA
CCTACTCATCTGTGAGAACAGAAGCTTTATCTGTGGTAGAATTACTGCTTAAAAAAGCTTGAAGAAGCTAA
ACAATGGGAAAGTTTGACAGCAGAATGCAGAGGACTTCTGATTGAGTCTTTAGCTACTATGGAGACAGAC
AACAGACCAGAGCTGCAGGAGAAAGCCTCAGTATTGAAGAAAACACTTGAAGTCTGGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_172381
Insert Size:	5523 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_172381.2 , NP_759013.2
RefSeq Size:	5919 bp
RefSeq ORF:	5523 bp
Locus ID:	230249
UniProt ID:	Q6PDI5
Cytogenetics:	4 B3
Gene Summary:	Adapter/scaffolding protein that binds to the 26S proteasome, motor proteins and other compartment specific proteins. May couple the proteasome to different compartments including endosome, endoplasmic reticulum and centrosome. May play a role in ERAD and other enhanced proteolysis (By similarity). Promotes proteasome dissociation under oxidative stress (PubMed:26802743).[UniProtKB/Swiss-Prot Function]