

Product datasheet for **MC215881**

Rsad1 (NM_001013381) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rsad1 (NM_001013381) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rsad1
Synonyms: B430319G23; BC056485
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC215881 representing NM_001013381
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTTCCTCCGGGTCCGGACCGGCAGATGGTGGCAGCGCCAGGGCGGCCAGCGGCGCCCCGTG
TGGACAGCTTGGGACAGCCTCCGAGTCTGAGTCCGCGAGCACCGTGC GGCGCTTACGTGCACCTGGCC
TTATTGCGAGAAACGCTGCAGCTACTGCAACTTCAATAAGTACATCCCCGCGCGTGGAGGAGGGGACC
GTGCGGAATTGCCTGGTACTGAGGCAAGGACGCTGCTGCGGCTCAGCGGGTGCAGAGAGTAGAGTCTG
TGTTCTTTGGTGGAGGAACCCCGAGTCTGGCCAGTCCCCACACTGTGGTGTCTGCTGGAGGCTGTGGC
TCAGGAAGTCTACCTGCCTGCCGATTCGGAAGTCACTTGGAGGTAACCCCACTTCAGCCCCAGGTCTT
AGGCTGGCAGCTTTTGGAGCAGCAGGAGTGAACAGGTTGTCCATTGGTTACAGTCCCTGGATGACGCGG
AGCTGCAGCTGCTGGGCCGACTCACTCAGCCAGCGACGCTTACGACTCTGGCGGAAGCCCGCTCCT
TTCCCTGGCAGAGTGTGGTGGATTTGATGCTGGGGTACC GGCCACAGAAGGTGGAGCCGTGGCTTCAA
CAGCTTCAGAAACTGCTGTACCACTGTGACGACCACCTCTCCCTCTACCAGTGACCTGGAACGGGGCA
CCTCACTTTTGGCCAGGTGCAGCAGGTAACCTCCCGCCCCGACCCGGACCTGGCTGCTGAGATGTA
CCAGGAGGGCAGGACAGTCTTCGAGATGCTGGCTTTCGCAATATGAGGTCTCCAATTTGCACGGAAC
GGGGCGCTCAGTACCATAACTGGACGTAAGTGGCAGTGGGTCAGTACCTTGGCATTGGGCTGGAGCCC
ATGGAAGATTTGTCCCCAGGAACTGGAGGCCATACCCGGAAGCACGGATCCAGACACTGGAGCCAGA
CAATTGGATGAAAGAGGTGACGCTCTTTGGTCAATGGCACCCGGAAGTGC GTTCGCTGGGAAAGCTGGAA
CTGCTAGAGGAGGTTTGGCTATGGGGCTGCGTACTGATGTTGGAGTCACTCACCAGCACTGGCAGCAGT
TTGAGCCCCAGCTGACCTGTGGGACGTGTTGGAGCAAGCAAGGAGGTGGAGGAGCTGCTAGCTCAGGG
TCTGCTGCTGCTGGATTACAGGGGTCTCCGGTGTCTGGGAGGGCCTAGCTGTGCTGGACTCCCTGTTA
TTGACCCTCTACCTCAACTCCAAGAGGCTGGCAGCACAGGCCCTCCTCACCCGTGCAGGAGGATGA

AC**GCGGCCGC**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAA
TTACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-NotI
ACCN:	NM_001013381
Insert Size:	1329 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:	<ol style="list-style-type: none">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:	<u>NM_001013381.2</u> , <u>NP_001013399.1</u>
RefSeq Size:	4167 bp
RefSeq ORF:	1329 bp
Locus ID:	237926
UniProt ID:	<u>Q5SUV1</u>
Cytogenetics:	11 D
Gene Summary:	May be a heme chaperone, appears to bind heme. Homologous bacterial proteins do not have oxygen-independent coproporphyrinogen-III oxidase activity (By similarity). Binds 1 [4Fe-4S] cluster. The cluster is coordinated with 3 cysteines and an exchangeable S-adenosyl-L-methionine (By similarity).[UniProtKB/Swiss-Prot Function]