

Product datasheet for **MC209281**

Rad23a (NM_009010) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rad23a (NM_009010) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rad23a
Synonyms: 2310040P19Rik; AL024030; HR23A; mHR23A
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209281 representing NM_009010
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCGTCACCATCACCTTAAAACGTTGCAGCAGCAGACCTTCAAGATCCGCATGGAACCTGACGAGA
CGGTAAGGTGCTGAAGGAGAAGATAGAAGCTGAGAAGGGTAGAGATGCTTCCCGTGGCTGGACAGAA
ACTCATCTATGCTGGCAAGATCTTGAGTGACGATGTTCCCATCAAGGAATACCATATAGATGAGAAGAAC
TTTGTTGTTGTCATGGTGACCAAGGCCAAAGCTGGCCAGGGTATCCCGCACCCCAAGAGCCTCACCCA
CTGCTGTCCCGGAGCCCTCCACACCTTTCCCTCCAGTCTTGGCATCAGGCATGTCTCATCCCCACCTAC
CAGCAGAGAGGACAAGAGCCCATCAGAGGAGTCAACCACCACAACATCTCCAGAATCCATTTCTGGCTCT
GTTCCCTCTTCAGGTAGCAGCGGGCAGAGGAAGACGCAGCTTCCACATTAGTACTGGCTCTGAATATG
AGACGATGCTGACTGAGATCATGTCCATGGGCTACGAGCGGGAGCGGGTTGTGGCCGATTGAGGGCCAG
CTACAACAACCCCAACGAGCTGTGGAGTACTTGCTCACGGGAATTCCAGGAAGCCCTGAGCCTGAACAT
GGTCTGTCCAGGAAAGCCAGGCGCCTGAGCAGCGGCCACAGAAGCAGGGGAGAACCCCTGGAGTTCC
TGCGGGACCAGCCTCAGTTCAGAACATGCGGCAAGTATTCAACAGAACCCAGCGCTCTGCCTGCTCT
GCTCCAGCAGCTGGGTCAGGAAAACCTCAGCTCCTGCAGCAAATTAGCGGTACCAAGGAGCAGTTTCATC
CAGATGTTGAATGAGCCTCCCGGGAGCTGGCGGACATCTCTGATGTAGAGGGGAGGTTGGTGCCATAG
GTGAGGAGGCCCAACAGATGAACTATATCCAGGTGACACCGCAGGAGAAGGAGGCTATAGAAAGGCTGAA
GGCACTGGGCTTCCAGAGAGCCTGGTATCCAGGCTACTTCGCGTGTGAAAAAATGAGAATTTGGCT
GCCAATCTCTCTGAGTCAGAACTTTGATGATGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_009010



Insert Size:	1089 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_009010.5, NP_033036.2</u>
RefSeq Size:	2098 bp
RefSeq ORF:	1089 bp
Locus ID:	19358
Cytogenetics:	8 C2
Gene Summary:	<p>Multiubiquitin chain receptor involved in modulation of proteasomal degradation. Binds to 'Lys-48'-linked polyubiquitin chains in a length-dependent manner and with a lower affinity to 'Lys-63'-linked polyubiquitin chains. Proposed to be capable to bind simultaneously to the 26S proteasome and to polyubiquitinated substrates and to deliver ubiquitinated proteins to the proteasome (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is 1 aa shorter compared to isoform 1.</p>