

Product datasheet for MC227029

Rad23a (NM_001297607) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rad23a (NM_001297607) 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: >MC227029 representing NM_001297607
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGGCCGTCACCATCACCTTAAAACGTTGCAGCAGCAGACCTTCAAGATCCGCATGGAACCTGACGAGA
 CGGTAAGGTGCTGAAGGAGAAGATAGAAGCTGAGAAGGGTAGAGATGCTTCCCGTGGCTGGACAGAA
 ACTCATCTATGCTGGCAAGATCTTGAGTGACGATGTTCCCATCAAGGAATACCATATAGATGAGAAGAAC
 TTTGTGGTTGTCATGGTGACCAAGGCCAAAGCTGGCCAGGGTATCCCGGCACCCAGAGGCCTCACCCA
 CTGCTGTCCCGGAGCCCTCCACACCTTCCCTCCAGTCTGGCATCAGGCATGTCTCATCCCCACCTAC
 CAGCAGAGAGGACAAGAGCCCATCAGAGGAGTCAACCACCACAACATCTCCAGAATCCATTTCTGGCTCT
 GTTCCCTCTTCAGGTAGCAGCGGGCAGAGGAAGACGCAGCTTCCACATTAGTGACTGGCTCTGAATATG
 AGACGATGCTGACTGAGATCATGTCCATGGGCTACGAGCGGGAGCGGTTGTGGCCGATTGAGGGCCAG
 CTACAACAACCCACCGAGCTGTGGAGTACTTGCTCACGGGAATTCCAGGAAGCCCTGAGCCTGAACAT
 GGTTCTGTCCAGGAAAGCCAGGCGCCTGAGCAGCCGCCACAGAAGCAGCAGGGGAGAACCCCTGGAGT
 TCCTGCGGGACCAGCCTCAGTTCAGAACATGCGGCAAGTGATTCAACAGAACCCAGCGCTCCTGCCTGC
 TCTGCTCCAGCAGCTGGGTGAGGAAACCTCAGCTCCTGCAGCAAATTAGCCGTACCAGGAGCAGTTTC
 ATCCAGATGTTGAATGAGCCTCCCGGGAGCTGGCGGACATCTCTGATGTAGAGGGGAGGTTGGTGCCA
 TAGCTGAAGGCACTGGGCTTCCAGAGAGCCTGGTGATCCAGGCCTACTTCGCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001297607
Insert Size: 969 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001297607.1</u> , <u>NP_001284536.1</u>
RefSeq Size:	2036 bp
RefSeq ORF:	969 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 (3) uses an alternate splice junction at the 3' end of an exon compared to variant 1, that causes a frameshift. The resulting isoform (3) has a shorter and distinct C-terminus compared to isoform 1.</p>