

Product datasheet for **MG206575**

Rad23b (NM_009011) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rad23b (NM_009011) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rad23b
Synonyms:	0610007D13Rik; AV001138; HR23B; mHR23B; p58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206575 representing NM_009011 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAGTCACCCTGAAGACCCTTCAGCAGCAGACCTTCAAGATCGACATCGACCCGGAGGAGACGGTAA
AGGCATTGAAAGAGAAGATTGAATCTGAAAAGGGGAAAGATGCCTTCCGGTAGCAGGTGAGAAGTTAAT
TTATGCAGGCCAAAATCCTCAGTGATGATACTGCTCTCAAAGAATATAAAATTGATGAGAAAACTTTGTG
GTGGTTATGGTGACAAAACCCAAAGCAGTGACAACAGCAGTGCCAGCTACAACCCAGCCATCAAGTACTC
CCAGCCCCACTACAGTCAGTTCTTCCCCAGCAGTGGCTGCGGCCAGGCTCCAGCTCCCACCCCTGCTCT
GGCTCCCCTTCCACTCCTGCCTCCACTACTCCAGCCTCCACTACAGCCTCTTCTGAACCCGCACCTGCT
GGTGCCACTCAGCCTGAGAAACCTGCAGAAAAGCCAGCCAGACACCAAGTCTTACTAGCCAGCACCCAG
CTGACAGTACACCAGGAGATTCTTCCCGGTCAAATCTTTTTGAAGATGCAACAAGTGCCTTGTGACAGG
TCAGTCTTATGAGAATATGGTAAGTGAATCATGTCAATGGGCTATGAACGAGAACAAGTAAATGCAGCC
CTGAGAGCCAGCTTCAACAACCCGACAGAGCTGTGGAATATCTTCTAATGGGAATCCCTGGAGATAGAG
AAAGTCAGGCTGTGGTTGACCCTCCTCCTCAGGCTGTGAGTACTGGAACCTCCTCAGTCTCCAGCAGTAGC
TGCAGCTGCAGCAACCACGACAGCAACTACAACAACCACTTCTGGAGGCCACCCCTTGAATTTTTACGG
AATCAGCCTCAGTTTCAACAGATGAGACAAATATCCAGCAGAATCCTTCTTTGCTGCCAGCCTTGCTAC
AGCAGATAGTTCGGGAGAACCCCTCAGCTGCTGCAGCAAATTAGCCAACACCCAGGAGCATTATTTTATCAGAT
GCTGAATGAACAGTTCAGGAAGCAGGCGGTCAAGGCGGAGGAGCGGTGCGGAGGAGGCGGTGCGGGA
GGAGGCGGTGGAGGAATTGCAGAAGCTGGAAGTGGGCACATGAATTACATTCAAGTAAACCTCAGGAGA
AAGAAGCTATAGAACGGTTAAAGGCATTAGGATTTCTGAAGGACTTGTGATTCAAGCATATTTTGTCTG
TGAGAAGAATGAGAATCTGGCTGCCAATTTCTTCTACAGCAGAATTTGATGAAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206575 representing NM_009011
Red=Cloning site Green=Tags(s)

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MQVTLKTLQQQTFKIDIDPEETVKALKEKIESEKGDAPFPVAGQKLIYAGKILSDDTALKEYKIDEKNFV
VVMVTKPKAVTTAVPATTQPSSTPSPTTVSSSPAVAAAQAPATPALAPTSTPASTTASSEPPAPA
GATQPEKPAEKPAQTPVLTSPAPADSTPGDSSRSNLFEDATSALVTGQSYENMVTEIMSMGYEREQVIAA
LRASFNNPDRAVEYLLMGIPGDRESQAVVDPPPQAVSTGTPQSPAVAAAAATTTATTTTSGGHPLFLR
NQPFQQMRQIIQQNPSLLPALLQQIGRENPLLQQISQHQEHFIQMLNEPVQEAGGQGGGGGGGGGGG
GGGGGIAEAGSGHMNYIQVTPQEKEAIERLKALGFPEGLVIQAYFACEKNENLAANFLLQQNFDED
    
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009011

ORF Size: 1248 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_009011.3](#)

RefSeq Size: 2803 bp

RefSeq ORF: 1251 bp

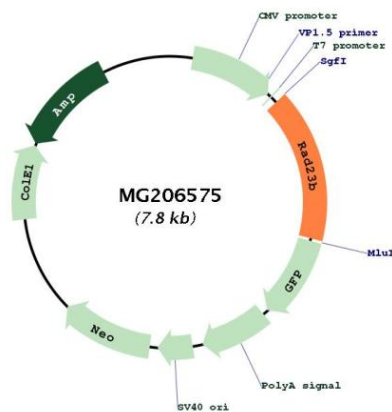
Locus ID: 19359

UniProt ID: [P54728](#)

Cytogenetics: 4 B3

Gene Summary: Multiubiquitin chain receptor involved in modulation of proteasomal degradation. Binds to 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. May play a role in endoplasmic reticulum-associated degradation (ERAD) of misfolded glycoproteins by association with PNGase and delivering deglycosylated proteins to the proteasome.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206575