

Product datasheet for MR206575

Rad23b (NM_009011) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Rad23b (NM_009011) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Rad23b |
| Synonyms: | 0610007D13Rik; AV001138; HR23B; mHR23B; p58 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR206575 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAGTCACCCTGAAGACCCTTCAGCAGCAGACCTTCAAGATCGACATCGACCCGGAGGAGACGGTAA
AGGCATTGAAAGAGAAGATTGAATCTGAAAAGGGGAAAGATGCCTTCCGGTAGCAGGTGAGAAGTTAAT
TTATGCAGGCCAAAATCCTCAGTGATGATACTGCTCTCAAAGAATATAAAATTGATGAGAAAACTTTGTG
GTGGTTATGGTGACAAAACCCAAAGCAGTGACAACAGCAGTGCCAGCTACAACCCAGCCATCAAGTACTC
CCAGCCCCACTACAGTCAGTTCTCCCCAGCAGTGGCTGCGGCCAGGCTCCAGCTCCCACCCCTGCTCT
GGCTCCCACTTCCACTCCTGCCTCCACTACTCCAGCCTCCACTACAGCCTCTTCTGAACCCGCACCTGCT
GGTGCCACTCAGCCTGAGAAACCTGCAGAAAAGCCAGCCAGACACCAAGTCTTACTAGCCAGCACCCAG
CTGACAGTACACCAGGAGATTCTTCCCGGTCAAATCTTTTTGAAGATGCAACAAGTGCCTTGTGACAGG
TCAGTCTTATGAGAATATGGTAAGTGAAGTCAATGAGGCTATGAACGAGAACAAGTAAATGCAGCC
CTGAGAGCCAGCTTCAACAACCCGACAGAGCTGTGGAATATCTTCTAATGGGAATCCCTGGAGATAGAG
AAAGTCAGGCTGTGGTTGACCCTCCTCCTCAGGCTGTGAGTACTGGAACCTCCTCAGTCTCCAGCAGTAGC
TGCAGCTGCAGCAACCACGACAGCAACTACAACAACCACTTCTGGAGGCCACCCCTTGAATTTTTACGG
AATCAGCCTCAGTTTCAACAGATGAGACAAATATCCAGCAGAATCCTTCTTTGCTGCCAGCCTTGCTAC
AGCAGATAGTTCGGGAGAACCTCAGCTGCTGCAGCAAATAGCCAACACCAGGAGCATTATTTTATCAGAT
GCTGAATGAACAGTTCAGGAAGCAGGCGTCAAGGCGGAGGAGCGGTGCGGAGGAGGCGGTGCGGGA
GGAGGCGGTGGAGGAATTGCAGAAGCTGGAAGTGGGCACATGAATTACATTCAAGTAAACCTCAGGAGA
AAGAAGCTATAGAACGGTTAAAGGCATTAGGATTTCTGAAGGACTTGTGATTCAAGCATATTTGCTTG
TGAGAAGAATGAGAATCTGGCTGCCAATTTCTTCTACAGCAGAATTTGATGAAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206575 protein sequence
 Red=Cloning site Green=Tags(s)

MQVTLKTLQQQTFKIDIDPEETVKALKEKIESEKGDAPFPVAGQKLIYAGKILSDDTALKEYKIDEKNFV
 VVMVTKPKAVTTAVPATTQPSSTPSPTTVSSSPAVAAAQAPATPALAPTSTPASTTPASTTASSEPPAPA
 GATQPEKPAEKPAQTPVLTSPAPADSTPGDSSRSNLFEDATSALVTGQSYENMVTEIMSMGYEREQVIAA
 LRASFNNPDRAVEYLLMGIPGDRESQAVVDPPPQAVSTGTPQSPAVAAAAATTTATTTTTSGGHPLFLR
 NQPQFQQMRQIIQQNPSSLIPALLQQIGRENPLLQQISQHQEHFIQMLNEPVQEAGGQGGGGGGGGGGG
 GGGGGIAEAGSGHMNYIQVTPQEKEAIERLKALGFPEGLVIQAYFACEKNENLAANFLLQQNFDED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009011

ORF Size: 1251 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: 3827 bp

RefSeq ORF: 1251 bp

Locus ID: 19359

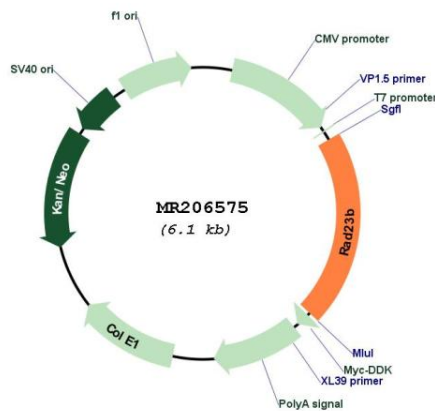
UniProt ID: [P54728](#)

Cytogenetics: 4 B3

MW: 43.5 kDa

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 MR206575