

## Product datasheet for MR223277

### Rassf8 (NM\_027760) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rassf8 (NM_027760) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rassf8
Synonyms:	5133400D11Rik; AA815821; AW123240; Hoj1; mHoj-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223277 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAACCTAAAGTGTGGGTGGATGGCGTTTCAGAGGATCGTCTGTGGCGTCACGGAAGTCACAACCTGCC  
AGGAGGTTGTAATAGCCTTAGCCCAAGCTATAGGTCGAACTGGAAGGTACACCCTGATAGAGAAATGGAG  
AGACACTGAGCGGCACTTGGCACCAGTAAAACCCCATCGTGTCTTTGAACAAGTGGGGCAGTATGCT  
AGTGACGTGCAGCTCATCTTGGCTGGACTGGCCATCTCTCAGTGAGCGACCCACCTCGGACAGTGTGG  
CCCGAATTCCTGAAAGAACTTTGTATCGACAGAGCCTTCCCCCTTAGCCAAGCTCCGGCCTCAGGCGGA  
CAAGTCCATCAGAAGGAGGGAGCCTAAGCGAAAGTCTCTCACCTTCACAGGGGGCCAAAGGGCTGACG  
GACATTTTTGAAAAGGCAAAGAGACTGAGTTCAGGCAGAAGGTGCTGAGTAACTGCAGGGCAACAGCAG  
AGGAGCTGAAAAGGCTGATCCGGCTGCAGACGGGAAGCTGCAGGCCATCGAGAAGCAGCTGGAGTCCAG  
TGAGGCAGAGATCCGGTCTGGGAGCAGAAGTACAGCTGTAGCCTGGAGGAGGAGATTGTCCGCCTGGAG  
CAGAGGATCAAGAGAAACGACGTGGAGATCGAGGAGGAAGAGTTCTGGGAAAACGAATTACAGATCGAAC  
AAGAGAACGAGAAGCAGCTGCAGGATCAGCTGGAGGAGATACGGCAGAAGGTGACAGACTGTGAAGGCAG  
GCTGAAGGACTACCTGGCCAGATCCACACCATGGAGAGCGGTCTCCAGGCAGAAAAACTGCACCCGGAA  
GTTCAAGGAGGCACAGGTCAATGAGGAGGAGGTGAAAGGAAAGATCGAAAAGGTCAAGGGGAGATGGAC  
TTCAAGGGCAGCAGAGCCTGAGGCTGGAGAACGGCATTAGAGCTGTGGAGAGGTCTCTGGGGCAGGCCAC  
CAAGCGGTACAGGACAAGGAGCAGGAGCTAGAGCAGTTGACCAAGAGCTGCGGCAGGTCAACCTCCAG  
CAGTTCATCCAGCAGACAGGGACAAAGTACCCTGCTGCCGGCCGAGCCACGGAGATCGAGGCCCTCGC  
AGGCAGACATAGAGACAGAGGCCATTCCAGTCTGGTCCCTGAAGCGACCTGTTTCATCCCGCAGCT  
CCCCAGTAATCTCGTATTCTACAGAACCCTGTCTCCTCGGGTTTTAATCCTGAAGGCATCTATGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR223277 protein sequence  
 Red=Cloning site Green=Tags(s)

MELKVVVDGVRIVCGVTEVTTCCQEVVIALAQAIGRTGRYTLIEKWRDTERHLAPHENPIVSLNKGQYA  
 SDVQLILRRTGPSLSERPTS DSVARIPERTLYRQSLPPLAKLRPQADKSIRREPKRKSLTFTGGAKGLT  
 DIFGKGKETEFRQKVL SNCRATAEELKRLIRLQTGKLQAI EKQLESSEAEIRFWEQKYSCSLEEEIVRLE  
 QRIRKNDVEIEEEEFWENELQIEQENEKQLQDQLEEIRQKVTDC EGRLKDYLAQIHTMESGLQAEKLRHRE  
 VQEAQVNEEEVKGKIEKVKGEMDLQGQQLRLENGIRAVERSLGGATKRLQDKEQELEQLTKELRQVNLQ  
 QFIQQTGKVTVLPAPTEIEASQADIETEAPFQSGSLKRPGSSRQLPSNLRILQNPVSSGFNPEGIYV

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\_027760

**ORF Size:** 1260 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\\_027760.3](#)

**RefSeq Size:** 1733 bp

**RefSeq ORF:** 1260 bp

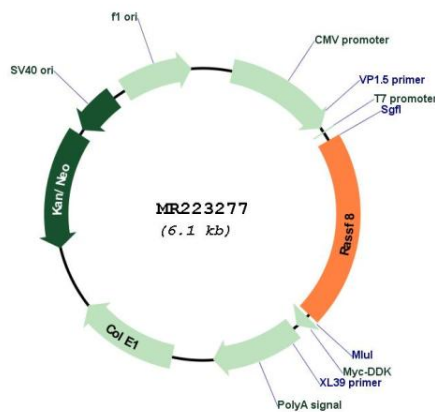
**Locus ID:** 71323

**UniProt ID:** [Q8CJ96](#)

**Cytogenetics:** 6 G3

**MW:** 48.1 kDa

**Product images:**



Circular map for MR223277