

## Product datasheet for MR228156

### Oard1 (NM\_001289490) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Oard1 (NM\_001289490) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Oard1  
**Synonyms:** AI314976; AW558560  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR228156 representing NM\_001289490  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCACCCGCCTTAATGAAGATCCAGAAGGAAGTCAATCACTTACGTGAAAGGAGATCTTTTCGCAT  
GTCCAAAACAGACTCTCTAGCCATTGTATCAGTGAGGATTGTCGAATGGGTGCTGGAATAGCTGTTCT  
CTTCAAGAAGAGATTCGGAGGGGTGCAGGAAGTGAAGTCAACAAAAGAAGTCTGGAGAAGTGGCTGTT  
CTGAAGAGAGATGGCGATATATATATTACTTGATTACAAGAAACGGGCTTACACAAGCCAACGTATG  
AGAACCTACAGAAGAGTTTGGAGGCCATGAAGTCCCATTGTTGAAGAATGGCGTCACTGACCTCCAT  
GCCCAGGATTGGATGTGGTCTGGATCGGCTGCAGTGGGAAAATGTATCTGCGATTCTCGAAGAGGTGTT  
GAGTCAACAGACATCAAATTAAGTGTACACTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR228156 representing NM\_001289490  
Red=Cloning site Green=Tags(s)

MATRLNEDPEGSRITYVKGDLFACPKTDSLHCISEDRCMGAGIAVLFKKRFGGVQELLSQKKSGEVAV  
LKRDRYIYYLITKKRASHKPTYENLQKSLEAMKSHCLKNGVTDLSMPRIGCGLDRLQWENVSAILEEVF  
ESTDIKITVYTL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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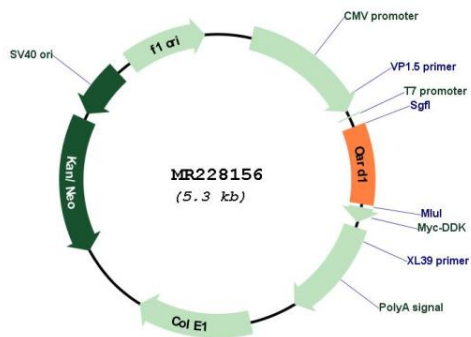


**Cytogenetics:** 17 C

**MW:** 17.1 kDa

**Gene Summary:** ADP-ribose glycohydrolase that hydrolyzes ADP-ribose and acts on different substrates, such as proteins ADP-ribosylated on glutamate and O-acetyl-ADP-D-ribose. Specifically acts as a glutamate mono-ADP-ribosylhydrolase by mediating the removal of mono-ADP-ribose attached to glutamate residues on proteins. Does not act on poly-ADP-ribosylated proteins: the poly-ADP-ribose chain of poly-ADP-ribosylated glutamate residues must be hydrolyzed into mono-ADP-ribosylated glutamate by PARG to become a substrate for OARD1. Deacetylates O-acetyl-ADP ribose, a signaling molecule generated by the deacetylation of acetylated lysine residues in histones and other proteins. Catalyzes the deacylation of O-acetyl-ADP-ribose, O-propionyl-ADP-ribose and O-butyryl-ADP-ribose, yielding ADP-ribose plus acetate, propionate and butyrate, respectively.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR228156