

## Product datasheet for RR214558

### Farp2 (NM\_001108233) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Farp2 (NM_001108233) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Farp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR214558 representing NM_001108233 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGGGGGAGATAGAAGGAACATACAGAACCTTTACCAACGTCAGGGACACGCTTGGGTGGCCAGACCCCA  
TTGGAGTGAGTACCCTGGAACCAGAGCAGGCCCTCTCCCAAGATGCAGGAGAAGCACATGCACATCAG  
AGTGAAGCTGCTGGACAGTACTGTGAAATATTTGACATTGAGCCTAAGTGTGACGGACAGTCTTATTG  
ACGCAAGTGTGGAAGCATTGAACTGATTGAATGTGACTACTTTGGTCTGGAGTTCAAGAACGTCAGT  
CTTACTGGATTTGGCTTGAACCTATGAAACCCATCATTGCGCAAGTGCAGAAAGCCTAAGAATGCAGTGT  
TCGCTGGCAGTAAAATTTTCCACCTGACCCTGGTCAGTTGCAAGAAGAGTACACAAGGTACCTGTTT  
GCCTTGAACCTTAGGAGAGACCTCCTAGAGGAACGCTGACCTGCACGGCCACCCTTCCGCCCTTCTCA  
TATCCACCTTCTGCAGTCGAAATCGGAGATTATGATGAAACCTGGATCGAGAACACCTCAAAGCCAA  
TGACTACTTGCCCAACCAGGAGCAATCCCTGGACAAGATACTCGACTTCCATCAAAGGCACACGGGCCAG  
ACTCCTGCGGACTCAGATTTCCAGGTGCTTGAATGCAAGAAAGTTGAAATGTATGGCATCAGGTTTC  
ACATGGCTTCTGACAGAGAAGGGACCAAGATTAATCTGGCAGTTTCTCACATGGGCGTCTCGTGTTC  
GGGACCACCAAAATCAATACTTTCAACTGGTCCAAAGTCCGTAAGCTTCAAGAGGAAAAGGTTT  
CTTATCAAACCTCCACCCTGAGGTCCATGGGCCCTACCAGGACACGTTAGAGTTCTTGTGGTAGCAGAG  
ATGAATGTAAGAAATTTCTGGAAGATATGTGTAGAACCACACCTTTTTTCAGACTCTGACACGCTAA  
GCCAAAGGCAAAAGCTGTCTTCTCAGTCGGGGCTCCTCCTTCAGATACAGTGGAAAGAACTCAGAAACA  
CTGGTAGACTATATCAGAGACGGTGGGACGAAGAGAATTCATACGAAAGACGGCACAGTAAAGACTCGGA  
CGTCTCTCATACTCTGACTGGAGATCTGCCTAAACAGAGCATCTCATTACCCGATGGCTTGAGAATTC  
TGCCCTCCCTGTCTCAGCAAATGCCTCCTTTTATCCACCCCTACTTCTTTGCTCTCCTGGCTGCCC  
AGTGTGAAGGACAGCAGCAGTCCCCTGTGGATCCCAGGCTCCCACATCAAGAGCACAGCAGCAGAGA  
GGAGCAGCAGACCATCATCATCTGAAGGCCAGCACACAGTCCGCCATCTCCCTGGACCCCTGTGCT  
CCAGCCTGGTCCAGGCTTTTCTGTGGATAGTCCTCAGCCTTCTCCCTCCAGCCTGAAGAGCCGCTGAGC  
CTGAGCCCTGAGCGTCAGGCCTCTGAGCACAGCTGAGCAGGGTTCGTCCTGTGCTAAGCCCTGTCC  
TCAGTGGCACTGGGACAGCCAGGATGGACAACCAAGAAGAGCAGAAACACAAGCACACATCGGAAGACGA  
GGCCTATTTATAGCCAAGGAGATTGTTGCCACAGAGCGAACCTACCTGAAGGACCTAGAAGTTACT



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GTGTGGTTCCGAAGTGTGGTGATCAAGGAGGAGGCCATGCCTGCAGCCCTGATGACCCTGCTTTTCTCCA  
 ACATTGATCCCATCTACGAGTCCATCGAGGCTTCCTTACAGAGGTGGAACAGAGGCTGGCACTCTGGGA  
 AGGGCCATCTAGCGGTGATCATCAACGGATTGGGGACATCCTCCTCAGGAACATGCGGCAGTTAAAGGAA  
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 GGAAGTTCAAGAACAGTAATGGCTGGCAGAAGCTCTGGTGGTCTTTACCAACTTCTGCTTGTTTTTCTA  
 TAAAACACATCAGGATGACTACCCCTGGCCAGCCTCCCACTACTGGGTTACAGTGTGAGCCTCCCAGA  
 GAGGCTGACAGCATCCACAAAGACTATGTTTTCAAGCTCCAATTCAAATCTCACGTCTACTTCTCCGGG  
 CTGAGAGCAAGTACACATTTGAAAGGTGGATGGAAGTCATCAAAAGAGCCAGCAGCTCACCAGGGAGACC  
 CCCAAGTTTCACTCAGGACTGTTACATCTTTCTCAGGGCTGGAGGCAGAAGTCAGAGAAAAGGAGGCA  
 TGTCTTCACTCTGCTTGGACAAGAACCTA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR214558 representing NM\_001108233  
 Red=Cloning site Green=Tags(s)

MGEIEGTYRTLPTSGTRLGGQTAIGVSTLEPEQALSPKMQEKMHIRVKLLDSTVEIFDIEPKCDGQVLL  
 TQYWKHLNLI ECDYFGLFKNVQSYWIWLEPMKPIIRQVRKPKNAVLRRLAVKFFPPDPGQLQEYTRYLF  
 ALQLRRDLEERLTCTATTSALLISHLLQSEIGDYDETL DREHLKANDYLPNQESLKDILDFHQRHTGQ  
 TPADSDFQVLEIARKLEMYGIRFHMASDREGTKINLAVSHMGVLVFQGTTKINTFNWSKVRKLSFKRKR  
 LIKLHPEVHGPYQDTLEFLLGSRDECKNFWKICVEHHTFFRLSDQPKKAKAVFFSRGSSFRYSGRQKQ  
 LVDYIRDGGTKRIPYERRHSKTRTSLHTLTGDLPKQSI SFTDGLRTSASLSSANASFYPPPTSLSSPGLP  
 SVKSSSSPVPDQAPHIKSTAERSSRPSSSEGPSTQSAHLPGPPVLQPGPGFSVDSPQPSPSSLSRSL  
 LSPERQASLSTAEQGSSPVLSPVL SGTGTARMDNQEEQKHKHTSEDEAYFIAKEIVATERTYLKDLVIT  
 VWFRSVVIKEEAMPAALMTLLFSNIDPIYEFHRGFLHEVEQRLALWEGPSSGDHQRIGDILLRNMRLKE  
 FTSYFQRHDEVLELEKATKHCKRLEAVYKEFELQKVCYLPNTFLLKPVQRLVHYRLLLNRLCTHYSPE  
 HEDYTDCHALKAITVTELELQQLTRLENLQKLTELQRDLVGVENLIAPGREFIREGCLHLTKKGLQQ  
 RMFFFLSDMLLYTSKSVTGASQFRIRGFLPLRGMLEDSENEWSVPHCFIYAAQKTIVVAASTRLEKEK  
 WMQDLNAAIQAAKSAGDTPAVLLGGPVYTRSPSSDEVSLEDSGDRGTRGSLEGNSQHRANTTMHVWCY  
 RNTSVSRADHSAAVENQLSGYLLRKFKNSNGWQKLWVVF TNFCLFFYKTHQDDYPLASPLLGYSVSLPR  
 EADSIHKDYVFKLQFKSHVYFFRAESKYTFERWMEVIKRASSSPGRPPSF TQDCSHLSPGLEAEVREKEA  
 CPSLCLDKNL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

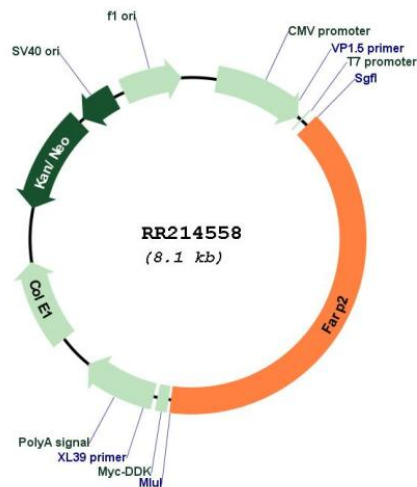
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001108233

ORF Size: 3180 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001108233.1</a></u> , <u><a href="#">NP_001101703.1</a></u>
<b>RefSeq Size:</b>	4318 bp
<b>RefSeq ORF:</b>	3183 bp
<b>Locus ID:</b>	316639
<b>Cytogenetics:</b>	9q36
<b>MW:</b>	120.8 kDa