

Product datasheet for MC223411

Farp2 (NM_145519) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Farp2 (NM_145519) Mouse Untagged Clone
Tag: Tag Free
Symbol: Farp2
Synonyms: AI465173; BC009153; D030026M03Rik; Fir; mKIAA0793
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223411 representing NM_145519
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAGAGATAGAAGGAACATACAGAGCTTTACCAACTTCAGGGACACGCTTGGGTGGCCAGACCGCCA
 TTGGAGTGAGTACCCTGGAGCCAGAGCAGACGCTGTCAACCGAGATGCAGGAGAAGCACATGCGCATCAG
 AGTGAAGCTGCTGGACAGCACTGTAGATTATTTGACATCGAGCCGAAGTGTACGGGCAGGTCTTACTG
 ACTCAAGTGTGGAAGCATTGAACTCTATTGAATGTGACTACTTTGGTCTGGAGTTCAAGAATGTCCAGT
 CCTACTGGATTTGGCTTGAACCTATGAAACCCATCATTAGGCAAGTACGAAAGCCAAAAATGCGGTGCT
 TCGCCTGGCAGTAAAAATTTTCCCGCTGACCCTGGTCAGCTGCAAGAAGAGTACACAAGGTACCTGTTT
 GCCTTGCAACTCAAGAGAGACCTCCTGGAGGAACGCTGACCTGCACGGCCAACACTGCAGCCCTTCTCA
 TATCCCACCTTCTGCAGTCGGAATCGGAGATTATGATGAAACCTGGATCGAGAACACCTCAAAGCCAA
 TGAATACTTGCCCAACCAGGAGAAATCTCTAGAAAAGATACTAGACTTCCATCAGAGGCACACGGGCCAG
 ACTCCTGCAGAGTCAGATTTCCAGGTGCTTGAGATTGCAAGGAAGCTGGAATGTATGCCATCAGGTTTC
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 GGGTACCACCAAAATCAATACCTTCAACTGGTCCAAAGTCCGTAAGCTTCAAGAGAAAAAGGTTT
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 AGAGGAGCAGCGACCATCATCTGACGGCCCCAGCACACAGTCGGCCATCTCCCTGGACCCCCCGT
 GCTCCGGCCTGGTCCAGGCTTTCTATGGATAGTCTCAGCCTTCTCCCTCCAGCCTGAAGAGCCACCTG
 AGCCTGTGCCCTGAGCTTCAGGCCGCGTGTGAGTACAGCTGAGCAGGGTGCATCCCCTGTGCTCAGCCCTG



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TGCTCAGTGGCGCTGGTACAGCCAGGATGGACAACCAAGAAGAGCAGAAACACAAGCACATGCCAGAAGA
TGAGGCCATATTCATAGCCAAGGAGATTCTCGTACAGAACGAACCTATCTGAAGGATTTAGAAGTTATC
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CCAACATTGATCCAGTCTACGAGTTCACAGAGGCTTCCTTCACGAGGTGGAACAGAGGCTGGCACTCTG
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CGTCAGTTAAAGGAATTTACTAGTACTTCCAAGACACGATGAGGTCTAACAGAAGTGGAAAAGGCCA
CAAAACACTGTA AAAAGCTGGAGGCAGTCTACAAAGAGTTGAGCTCAAAAGGCTGCTACCTGCCTCT
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ATCAGAAGATGGTCGAGGAAACCGGGGCTCCCTGGAGGGGAACAGCCAGCACCGGGCCAATACAACAATG
CATGTGTGCTGGTACCGTAATACAAGTGTGTCCAGAGCAGACCAGTGCAGCTGTTGAGAACGACTTT
CAGGATATCTGCTGAGAAAGTTCAAGAACAGTAATGGCTGGCAGAAGCTCTGGTGGTCTTTACCAACTT
CTGCTTGTCTTCTATAAAAACACATCAGGATGACTACCCCTGGCCAGCCTCCCACTATTGGGTTACAGC
GTGAGCCTCCCCAGGGAGGCTGACAGCATCCACAAAGACTATGTCTTCAAGCTCCAATTCAAATCTCAGC
TCTACTTCTTCCGGGCTGAGAGCAAGTACACATTTGAAAGGTGGATGGACGTATCAAAAGGGCCAGCAG
CTCACCAGGGAGACCCCAAGTTTCACTCAGGACTGCTCACATCACTCTCCAGGGCTGGAGGCAGAGATC
AGAGAAAAGGAGGCATGCCCTTACCCTGCTTGGACAAGAACCTCTGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_145519
- Insert Size:** 3198 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_145519.2](#), [NP_663494.2](#)
- RefSeq Size:** 3929 bp

RefSeq ORF: 3198 bp

Locus ID: 227377

UniProt ID: [Q91VS8](#)

Cytogenetics: 1 D

Gene Summary: Functions as guanine nucleotide exchange factor that activates RAC1. May have relatively low activity (PubMed:23375260 and PubMed:20702777). Plays a role in the response to class 3 semaphorins and remodeling of the actin cytoskeleton. Plays a role in TNFSF11-mediated osteoclast differentiation, especially in podosome rearrangement and reorganization of the actin cytoskeleton. Regulates the activation of ITGB3, integrin signaling and cell adhesion. [UniProtKB/Swiss-Prot Function]