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Product datasheet for MR210206

Aggf1 (NM_025630) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aggf1 (NM_025630) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aggf1
Synonyms:	2010009L17Rik; 2310029P06Rik; AW112072; Peg3; VG5Q
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR210206 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTCCGAGGCGCCCTCGCCGCCTTCGCCTTCTCCGCCGCCGCCCGCCTCTCCGGAGCCGGAGCTGG
CGCAGCTCAGGCGGAAGGTGGAGAAGTTGGAGCGCGAGCTGCGGAGCTGCCGGAGGCAGGTGCGGGAGGT
GGAGAAGCTGCTGCAGCACACGGAGCGACTCTACCGCAACGCCGAGAGCGACAACCAGGAGCTCCGCACG
CAGGTAGAAGAACTTAGTAAAATACTCCATTGTGGGAAAAATGAAGATAATCCGAAGTCTGATGTAGAAG
TACAGACAGAGAGCCAAGCTCCTTGGGCGATTTCAGATTATTACTATCAGACATGTTATAATGACGACAG
TCTTCCCAGTAAAGAGACGGAGCTGTGTGTACAGCAGAGTCAGTGTGCTCAGGCTTCCGCTCTTGATCCT
CAGGACGAGTCACACATAGACAGCGGGAGTTATGCTGGTGCTGATGCCACAGAAGGTGTTAGCCATAGAC
AGGAGGACGCCGTCACCTCTGACTCACAGGAGAGTGTGTCCGCGCTAGCAGAAGGCCCAGCACTCGAAGG
GTCCTCGCTTGCTGAGAGCTTGAGAGCTGCAGCGGAGGCTGCTGTGTCGCAGACCGGCTTCACCTACGAC
GAGAGCACGGGCTTATATTTTGACCACAGCACTGGTTTCTATTATGATTCTGAAAACCAGCTGTATTATG
ACCCTTCCACGGGGATTTATTACTACTGCGATGTGGAGAGTGGTCGGTACCAGTTTCACTCTCGCGTAGA
CCTGCAGCCTTACCAGACCTCTAGCACAAAACCAAACAGAGAAAGAAGACTGAAGAAGAGAAGAAAGGAG
CCAGGTTTTTATACAGCAAATGAAGAAAAGGATTTGAGCTCAGAAGATCAGAAAGTCTGCAGTGTAGAAT
ATATAAACTGCAGTGAGGATGAACATTCTGGAAATGTGAAAAAGAAGGCCAGAACAGACACTTCTCACAA
AAGCAGTCCCTTACAGCTCACGGTGGCAGTTAGTGGAGACACTGTGGAGTCTCCTGGAGATGATAACTCA
GCGTCATCTAAGGATGAGAGAATCGGAGAGAGTGAGAGCGAGCCGGAAGAAGGTGAGATCACAGACTCTC
AGAGTGAGAAGAGCTATGATGGAGACAGTAGCAGTGGGGACAGGGAGACCTCAGAAGAATCCGACGATGA
AGATGAGGAAAGAATTTGGCCGCCCTGTATTCGCGTGATTGTCATTAGGTCTCCAGTGTTGCAGATGGGC
TCGCTGTTCATCATCACCGCTGTGAGCCCAGCCACCATTGGGAGAGAGAAGGACATGGAGCATACTGTGA
GAATCCCTGAAGTCGCTGTTAGTAAGTTCCACGCAGAAGTTTACTTCGACCATGACTTGCAAAGCTACGT
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ACCCTGGCAGTGAGACGTGCGATGGCTGTGAGCCGGGGCAGGTCAGAGCTCACCTCCGCCTCGATAGAAA
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AAAATACGAGTAAAGTATGGCTTGCAGAATACAGATTATGAAGCTGAAAAAGCGTTGAAGAATCCTAAGT
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TGCGTCTGTTCACTCTGAAATTACAGATAGCAACAAAGGCCGAAAGATGTTGGAGAAGATGGGGTGGAAA
CGGGGAGAAGGCCTGGGAAAGGACGGTGGAGGGATGAAAACGCCGATCCAGCTTCAGCTTCGACGGACAC
ATGCTGGCTTGGGGACAGGGAAGCTGTCCTCGATTGATGACGTTCACCTCATCCAGAATAAGAGCAAAAA
ACACTGGGACAAAGCCCGGGAGCGGTTTGCGGAAACTTTCACAGAAAACAAACCTCGGAAAGAGACCCCA
GGGGCAGTGCCGTGGGTGACAGGGACTGCAGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

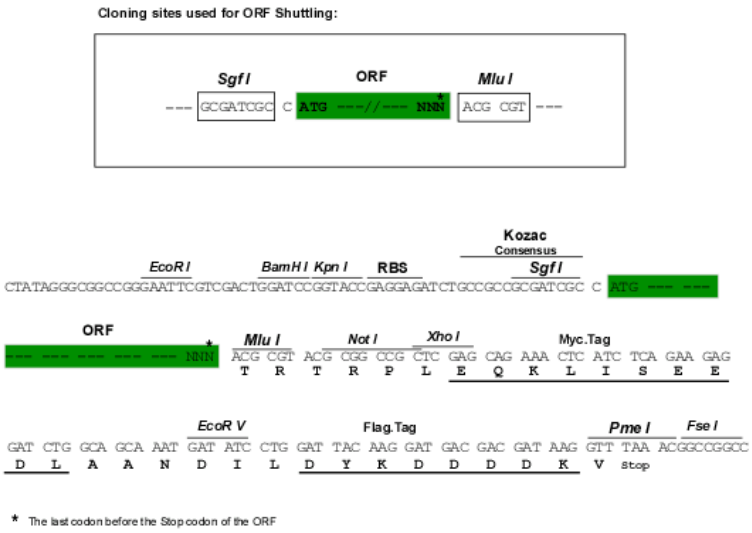
>MR210206 protein sequence
Red=Cloning site Green=Tags(s)

MASEAPSPPSPSPPPPASPEPELAQLRRKVEKLERELRSCRRQVREVEKLLQHTERLYRNAESDNQELRT
QVEELSKILHCGKNEDNPKSDVEVQTESQAPWAISDYYYQTCYNDDSLPSKETELCVQQSQCAQASALDP
QDESHIDSGSYAGADATEGVSHRQEDAVTSDSQESVSALAEGPALEGSSLAESLRAAAEAAVSQTGFTYD
ESTGLYFDHSTGFYYDSENQLYYDPSTGIYYYCDVESGRYQFHSRVDLQPYQTSSTKPNRERRLKKRRKE
PGFYTANEEKDLSSEDQKVCSVEYINCSEDEHSGNVKKKARTDTSHKSSPLQLTVAVSGDTVESPGDDNS
ASSKDERIGESESEPEEGEITDSQSEKSYDGDSSSGDRETSEESDDEDEERIWPPCIRVIVIRSPVLQMG
SLFIITAVSPATIGREKDMEHTVRIPEVAVSKFHAEVYFDHDLQSYVLVDQGSQNGTIVNGKQILQPKTK
CDPYVLEHGDEVKIGETVLSFHIHPGSETCDGCEPGQVRAHLRLDRKDEPLVGPALSKEEKELERRKALK
KIRVKYGLQNTDYEAEKALKNPKYKDRAGKRREQVGSEGTFQRDDAPASVHSEITDSNKGRKMLEKMGWK
RGEGLGKDGGGMKTPIQLQLRRTHAGLGTGKLSSIDDVHLIQNKSKKHWDKARERFAETFTENKPRKETP
GAVPWVTGTAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025630

ORF Size: 2136 bp

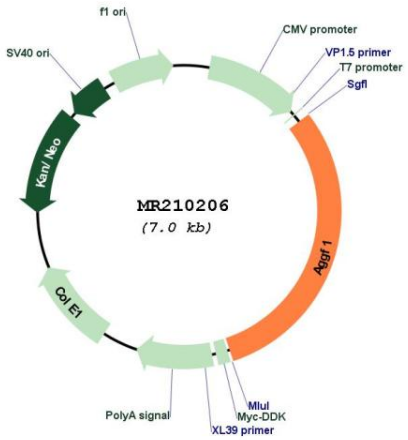
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_025630.3
RefSeq Size:	3262 bp
RefSeq ORF:	2136 bp
Locus ID:	66549
UniProt ID:	Q7TN31
Cytogenetics:	13 D1
MW:	79.4 kDa
Gene Summary:	Promotes angiogenesis and the proliferation of endothelial cells. Able to bind to endothelial cells and promote cell proliferation, suggesting that it may act in an autocrine fashion (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210206