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Product datasheet for MR213204

Aaed1 (NM_025370) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aaed1 (NM_025370) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aaed1
Synonyms:	1110018J18Rik; AI849003
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR213204 representing NM_025370
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGCGCCGGTGACGCGGCAGGTCAGCGGCTGCGCAGGCCGGGTCCCGAGCCCGGCTGGCTCGGTCA
CAGAGCGCGGGCAGCCGCTAGCGGCCGCCGTAGCGGAGCTGCCCGTGCTGGACGCGTCTGGGAGACGGGT
GACGTTCGGAGCGCTGTTCCGAGAGCGGCGAGCCGTGGTGGTGTTTGTGAGGCATTTCTTGTGTTACGTC
TGTAAAGAATATGTCGAAGATCTGGCCAAAATCCCCAAGAGCGTCCTCCGAGAAGCAGATGTCACCCTCA
TAGTGATTGGACAATCATCATACCATCATATTGAGCCTTTCTGCAAACTGACTGGATATTCTCATGAAAT
CTATGTTGATCCTGAGAGAGAAATTTACAAAAGATTGGGAATGAAAAGAGGTGAAGAAATTTCCTCCTCT
GGACAGAGCCCCCACATAAAGTCCAACCTGCTCTCGGGAAGCCTTCAGAGCCTGTGGCGGGCAGTCACTG
GCCCACTTTTTGATTTCCAAGGAGACCCAGCTCAGCAAGGAGGAACCCTCATTTTAGGTCCAGGTAACAA
CATCCACTTTGTGCACCGAGACAGGAATAGGTTGGATCACAAACCCATAAACTCTGTTTTACAGCTTGTG
GGGGTTCAGCCTGTGAACTTCATGAGCAGACCTACAGTCATCCACGTG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

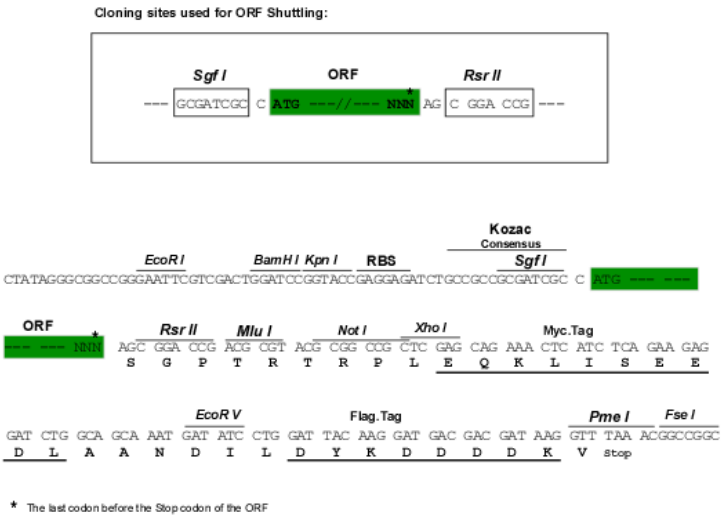
>MR213204 representing NM_025370
Red=Cloning site Green=Tags(s)

MAAPVTRQVSGCAGRVPSPAGSVTERGQPLAAAVAELPVLDASGRRVTFGALFRERRAVVVFVRHFLCYV
CKEYVEDLAKIPKSVLREADVTLIVIGQSSYHHIEPFCKLTGYSHEIYVDPEREIYKRLGMKRGEEISSS
GQSPHIKSNLLSGSLQSLWRAVTGPLFDFQGDPAQQGGTLILGPGNNIHFVHRDRNRLDHKPINSVLQLV
GVQPVNFMSRPTVIHV

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_025370

ORF Size: 678 bp

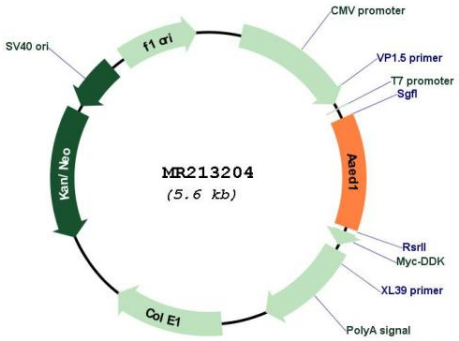
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_025370.3
RefSeq Size:	972 bp
RefSeq ORF:	681 bp
Locus ID:	66129
UniProt ID:	Q9D1A0
Cytogenetics:	13 B3
MW:	24.9 kDa
Gene Summary:	May regulate positively ERK1/2 signaling and AKT1 activation leading to HIF1A up-regulation with an increased expression of glycolysis genes and enhanced glycolysis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR213204