

Product datasheet for **MR208849**

Phactr3 (NM_028806) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phactr3 (NM_028806) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Phactr3
Synonyms:	1500003N10Rik; 4930415A02Rik; H17739; mKIAA4224; Scapin1; Scapinin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208849 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGCATCCGAGGACGGCAGCAGCTGCCTTGTGTCGCGGGGCGCTCGCAGAGTGACCCAGCTTCC
 TCAGCGACTCCTCAGCCACCTCCACGGACGCCGGGAGAACCCAGATGAGATGGACAAACTCCCCCAGC
 ACGCTCAGAGCCTCTGGTCTCAGGGATTGAACTCCCCCTGTGAGGAGGAACAGCAAGCTGGCCACCCTG
 GGCAGGATCTTCAAACCTTGAAATGGAGGAAAAAAGAAACGAGAACTGAAGCAGACGACGTACGCGC
 TGGAGAAGAAGATGGCTGGCAGGCAAGGCCGGGAGGAACATCAAGCAGGGACTGCTGGAGATGATGGA
 GCAAGATTCTGAAAAAAGGCATGCAGTCCCAAGGAAGGCTCCCAACCTGTGCAGAGTGAGCCGCCCGCT
 GGCGAGCAGGAGACGCTGACCTCGGAGGGCGCCAGCCCGGAAGCCCTCGGCCAGTGGAACAGATCAGG
 TGTCCAGGATGAGCTTCTGTCTCCGATGCTCATCTGGATGATACAGCCAATATACCGTCTGCATCCAC
 TCGGGAAGAAGCAGACGCTGGCAGCCTCTGCCACCAGTATGAGCCCTCTAAGCCTTAGCTGGGTCT
 GACTCCCTGGACAGTCTCCAGATCCCTGGAGAGATCTGTGAGCCAGCTCCCCAGCCCTCCACTGCTGC
 CCACCCCGCCACCAAGGCCAGCTCTAAAGCCACAAAAATGTCACAGGACAAGCTGCGCTCTTCCAAGG
 CCCCAGCATGAAGAAATGAGCCGGCTCTCAGAGGACAGCTTGCCACCCCCACAGGGTCCCTCATGTC
 ACCACTGTCCACCGGCCACTGCCCCCGAGCCGCTGATGGAGGAGCTGCATAGGGCACTGGCTACAAAGC
 ACCGTCAAGGACAGTTTCAAGGGCGGAATGCAGAGGGTCTCAAAGAAGCGGATGGATGTGCGTCTGTC
 TAGGACGTCCAGCATGGAGCGGGCAAGGAGAGGGACGAGGCGTGGAGCTTTGACGGGGCCTCAGAGAAC
 AAGTGGACGGCTACCAAAGACTCCGAGGAGAACAAGGAGAATCTGATGCTGAGCTCCGAGCTCAAGGATG
 ACATGCTCCTGTATCAGGACGAGGAGGCGCTCAATGACTCCATCATCTCGGGAACCTTGGCGAGGAAATG
 CAAGAAGGAGTTGCTGGCAGTGAAGCTGAGGAACCGGCCGAGCAAGCAGGAGCTAGAGGACCGGAACATC
 TTCCCCAGGAGGACCGATGAGGAGAGACAGGAGATCCGACAGCAGATAGAGATGAAGCTGTCCAAAAGGC
 TGAGCCAGAGACCCGCCGTGGAGGAACGGAGAGAAGAAATATCTGAAACAAAGGAATGATCAGACAGA
 GCAGGAAGAAAGGAGAGAAATCAAGCAAAGATTAACAAGAAAGCTTAACCAGAGACCCACTGTTGATGAA
 TTGAGAGACAGAAAAATCTGATCCGTTTCAGTGATTATGTGGAAGTAGCAAGAGCACAGGACTATGACA
 GGAGGGCAGACAAGCCCTGGACAAGACTGTCAGCAGCAGATAAGGCAGCAATTCGTAAGAATTAATGA
 ATATAAAGTAACGAAATGGAGGTACACGCATCCAGCAAGCACTTGACAAGATTCCACAGGCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208849 protein sequence
 Red=Cloning site Green=Tags(s)

MAASEDGSSCLVSRGRSQSDPSFLSDSSATSTDAGENPDMDQTPPARSEPLVSGIRTPPVRRNSKLATL
 GRIFKPWKWRKKNEKLKQTTSALEKKMAGRQGREELIKQGLLEMMEQDSENKACSPKEGSQPVQSEPPA
 GEQETLTSEGAQPGSPSASGTDQVSQDELLSSDAHLDDTANIPASATAEEADAGSLLPTTDEPSQALAGS
 DSLDSPRSLERSVSQLPSPLLPTPPPKASSKATKNVTGQAALFQGSPMKNNPALRGQLATPTGSPHV
 TTVHRPLPPSRVMEELHRLATKHRQDSFQGRECRGSPKKRMDVRLSRTSSMERGKERDEAWSFDGASEN
 KWTATKDSEENKENLMLSSELKDDMLLYQDEEALNDSIISGTLPRKCKELLAVKLRNRP SKQELED RNI
 FPRRTDEERQEI RQQIEMKLSKRLSQRP AVEELERRN ILKQRNDQTEQEERREIKQRLTRKLNQRPTVDE
 LRDRKILIRFSDYVEVARAQDYDRRADKPWTRL SAADKAAIRKELNEYKSNEMEVHASSKHLTRFHRP

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_028806

ORF Size: 1674 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_028806.2](#)

RefSeq Size: 5100 bp

RefSeq ORF: 1677 bp

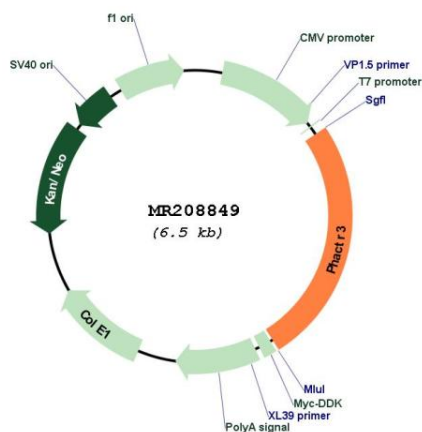
Locus ID: 74189

UniProt ID: Q8BYK5

Cytogenetics: 2 H4

MW: 62.7 kDa

Product images:



Circular map for MR208849