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Product datasheet for MC216421

Shpk (NM_029031) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shpk (NM_029031) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Shpk
Synonyms:	4930431K22Rik; AI194947; AW260459; Carkl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC216421 representing NM_029031
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTTCGCGACCTGTCACTCTCGGTATCGACTTGGGCACCACGTCCGTGAAGGCCGCCCTATTGGAGG
CTGCACCCAGCCTCCCATCCGGGTTCGTGGTGCTGGCGAGCTGCGCCCGGGCTGCGAGGGCAGAGACTGA
GAGCGCGGTGGCCGGGCCCCAGGGGCGGGAGCAGGATGTGACTAGAATCATCCAAGCCCTAAATGAATGC
CTTGATGCCCTTCCCCGGCAGCAGCTCCAGAGAGTCCGGGGCATCGGAGTGTCGGGACAGATGCATGGCA
TCCTATTTTGGAAAGCAGGCCAAGGCTGTGAATGGATGGAGGGAGGGCCTGCCTTTGTATTTGAGCCCAG
AGCTGTGAGCCACTTGGTCACATGGCAGGATGGCCGTTGTAACAGTAGTTTCCTGGCTTCTCTGCCCAAG
CCAGATTCCCATCTCAGTGTGGCCACAGGATTCGGCTGTGCAACCATCTTCTGGCTTTTGAAAAACAGCC
CGGAGTTTCTGAAGTCCTATGATGCAGCTGGCACCATTCAAGATTATGTGGTTGCCATGCTGTGTGGCTT
GCCAAGACCCCTGATGTCTGACCAGAATGCCGCTAGCTGGGGCTATTTTAACACCCAGAGCCAGAGCTGG
AACTTGGACACACTGGAAAAGGCAGGCTTTCCTATCCACCTTCTCCCCGACATTGCAGAGCCAGGCAGCA
TGGCAGGCAGAACTTCTCACACATGGTTTGAAATCCCAAAGGGGACACAGGTGGGCATAGCCCTGGGTGA
CTTACAAGCCTCTGTCTATTCCTGCATGGGCCAAAGGACTGATGCAGTTCTCAACATCAGCACCTCGGTC
CAGCTGGCAGCCTCCATGCCTGTGGGATTCCAGCCACTGCAGACTCCGGATCCTGCAGCCCCAGTTGCCT
TCTTCCCTTACTTCGACAGGACCTACCTAGGGGTGGCAGCGTCACTCAATGGAGGCAATGTGCTGGCCAC
GTTTGTCCACATGCTTGTTCAGTGGATGGCAGATCTTGGTCTGGAGGTTGAAGAATCCACTGTGTATTCA
CGCATGATCCAGGCGGCTGCACAGCAGAAAGACACCCATCTCACCATCACCCCAACAGTGCTGGGGGAGA
GGCACCTGCCAGACCAGCTGGCCTCTGTGACTAGAATCTCCTCCTCTGACCTCTCCCTGGGCCATGTGAC
CCGGGCCCTCTGCAGAGGCATCGTTCAGAACCTGCACTCCATGCTTCCTTTCCAACAGCTCAAAGAGTGG
GGTGTGGCCCGGGTGGTGGGGAGTGGGAGTGCACTGTCCAGGAACGAGGTGCTGAAGCAGGAGGTCCAGA
GGGCGTTTCCTTTCCCAGTGTGCTTTGGGCAGGATGTAGATGCAGCCTTTGGGGCAGCTCTGGTCATGCT
CCAGAGAGACCTTAGCCAGAAGGAGCCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_029031

Insert Size: 1431 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.

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RefSeq:	NM_029031.3, NP_083307.1
RefSeq Size:	2781 bp
RefSeq ORF:	1431 bp
Locus ID:	74637
UniProt ID:	Q9D5J6
Cytogenetics:	11 B4
Gene Summary:	Acts as a modulator of macrophage activation through control of glucose metabolism. [UniProtKB/Swiss-Prot Function]

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