

Product datasheet for **RR205523**

Rsph6a (NM_001024748) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rsph6a (NM_001024748) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rsph6a
Synonyms:	Dmwd; Hn1-ps1; Rshl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR205523 representing NM_001024748
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGGGGATCCACCGCCCAACCCTGACCCCTCCCAAACCGAGGGCTTCCCAAACTCAGAAAGGGCAC
 GGAGTCGTGAGTACTCGCAGCCTCTGTTGTCCATCCCGAGGATGGGGTGACGACCGCAGCAGCGGGG
 CAGTCGGATCAGTCAGGCGAGTCAGGACCTGCAGGCAACTGGCCTGCCTCAGTGGCCACAGAGGCCCAGC
 CTGCCCCCGGATATTCAGGATGAGGAAGGCACCGACTTAGACGTGACCTTAGGCTACCCGTAGGCTCTC
 CCATGGAGTTCTCACAACAGCATTACCTGGATGATAGCGGGATGTTGCAGCAGTTCCTGGAGGGCCAGAG
 CCTCTTAGAACAACTGGAGTCTAACTACCAAGACTCGGCTCCGGAGTCTGGACCAATTCAACCTCTAC
 TCAAGAGAGGATGACACATTCAGCCAGGCCACACAGCATGGACCCTACATGAGAGATGACCCACCTCC
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 CAGAAGACGCAGAAATCATGCACCTGTCTCCCTGGACCACCCGCTCTCCTGCAGCCTCAGCCCTCAGTA
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 TGTACATTGGCTGGGGTCACAAGTATAGCCCCGAGAACTTCAATCCAATGCTGCCAGCTC

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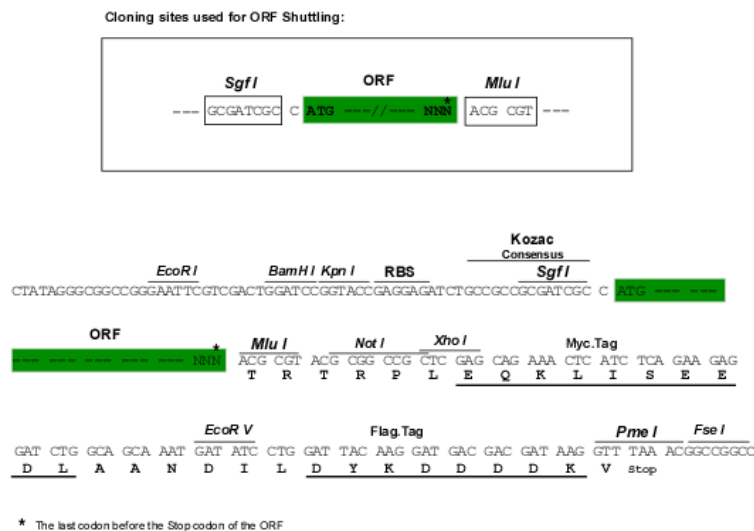
Protein Sequence: >RR205523 representing NM_001024748
 Red=Cloning site Green=Tags(s)

MGDPPNPDPSPQTRRASQNSERARSREYSQPLLIPEDGVQRPQQRGRISQGSQDLQATGLPQWPQRPS
 LPPDIQDEEGTDLDVTLGYPSGLPMEFSQQHYLDDSGMLQQFPEGQSLLEQLESNYQDSASGVLDQFNLY
 SREDDTFSQATQHGPYMRDDPTLHLGPSDLGFMPFVGEVPDPEPRELAVQNAKAYLLQTSVSCNLSLYEH
 LVNLLTKILNQRPEDPLSILESINRTTQWEFHPKLDLTDPEMQPTYEMAEKQKALFIRGGEGEQEM
 EEEVTDSPVPNIMETAFYFEQAGVGLSSDESFRIFLALRQLVEQQPIHSCRFWGKILGLSRSYLVAEVEF
 REGEEEGEEVEEMMEGGEVLETHGEEEGEEDKEKVDAVPKPQWKPVPVPIKEESRSGANKYLYFVCN
 EPGRPWTRLPHVTPAQIVCARKIKKFFTGLDTPVISYPPFPGNEANYLRAQIARISAATHISPLGFYQF
 GEEEGDEEEEGAGRDSFEENPDFEGIPVLELVDSMANWVHTQHILPQGRCTWVNPQMKTETEEELGEE
 EEKADEGMEEVEQVGPPLLTPLEDAEIMHLSPWTTTLSCSLSPQYSVAVVRSNLWPGAYAYATGSLRT
 CTLAGVTSIAPRTSIQCQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Cloning Scheme:



ACCN: NM_001024748

ORF Size: 1950 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_001024748.1, NP_001019919.1

RefSeq Size: 2352 bp

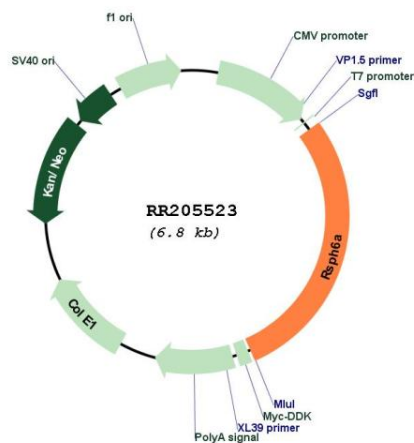
RefSeq ORF: 1953 bp

Locus ID: 292684

Cytogenetics: 1q21

MW: 73.2 kDa

Product images:



Circular map for RR205523