

Product datasheet for **RR217011**

Samhd1 (NM_001191743) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Samhd1 (NM_001191743) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Samhd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR217011 representing NM_001191743
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGAGACCAGACTCGGAGCAACCTGCTAAGCGGTCCCCTGCGATGGCAGCCCAAGGACGCCACCGA
 GCACCCGTCTGCAGCAGCGAACGAGTCTGCAGATCCCGAAAGCAGCGACCTCCGAACCTGGGGTCCCGA
 GGACGTGTGCTCCTTCTTAGAGAAACGTGGTTCCGAGAGAAAAAGTGCTGGACATCTTCAGAGAAAAAT
 AAAATCAGTGGTTCATTTCTGCCCTTTTTGGATGAGAATCTTCTCGAAAGTCTGGGAGTAAGTTCCTTGG
 AGCAGAGGAAGAAGATGATAGAATGTATCCAGAAGCTGAATCAGTCTCGGATTGATCTAATGAAGGTATT
 TAACGATCCTATTCATGGCCATATTGAATTCACCCCTCCTCATCCGAATCATTGACACACCTCAGTTC
 CAGCGGCTTCGCTACATCAAGCAGCTGGGAGCGGTTACTACGTCTTCCCTGGCGCTCACACAATCGGT
 TTGAACACAGTCTCGGAGTGGGTACCTAGCAGGCTGCCTCGTGCAGCGCTTCCGAAAAACAGCCAGA
 GCTGCAGATCAGTGAACGAGATATGCTCTGTGTTAGATCGCGGGCTCTGCCATGACCTTGGTCATGGG
 CCATTCTCCCATATGTTTATGGAAGATTTATTCCAATTGCTCGCCAGACATAAAGTGGAGGCATGAAC
 AGGGCTCAGTTGAGATGTTTGGATCTGGTAACTCCAATGAACTCAAATGTGATGAAGAATGATGG
 TCTCGTCCCTGAAGAAGACATTACCTTTATCAAGGAACAAATTATGGGACCACCTGTATCACCAGTCAAA
 GACTGCTTGTGGCCGATAAAGGGCGCCCGCCAAAGAAGAGCTTCTGTACGAGATAGTGGCTAACAAAA
 GAAATGGCATTGATGTGGACAAATGGGACTATTTTCCAGAGACTGTACCATCTTGGAAATCCAAAAATA
 TTTTGATTACAAGCGCTTCATTAAGTTTGCCCGTATCTGTGAAGTGGACGACGAGACCCGGGCACATAAG
 GTGAAGCACATTTGTACCAGAGAAAAGGAGTTGAAACCTGTACGACATGTTCCACACACGCAACTGCT
 TACACCGCAGAGCTTATCAGCACAAAATCGGCAACCTCATCGATATAATGATTACCGAAGCTTTCCTCAA
 AGCAGACCCCCACGTGGAGATTACCGGGACCGAAGGGAAGAGTTTCGAATTTCCACAGCCATTCATGAC
 ATGGAAGCCTTCAGTAAGCTGACAGATAACATCTTTCTGGAGATTTTATACTCCACGGATCCACAGTTGT
 CTGAGGCCCGAATATTTAAGGAACATTGAATGCCGTAATCTGTACAAGTATTTGGGTGAGACCCAGCC
 GAAGCGTGAGAAGATTAAAAAGGCAGAGTATGACAAGCTTGCCTAAGAAGTTGCTAATGCCAAACCTGAA
 ATTGCCCGGATGTTGAACTAAGGCTGAAGATTTTCATCGTTGATGTTATCAATATGATTACGGGATGG
 AAGACAAGAACCATTGATAATGTTCACTTCTATTGTAAGAGTGACAGCAGGCAAGCGGTACGATCAC
 TAAAGACCAGGTGCCAACTGCTGCCACAGAAATTCGACAGCAGCTCATCCGCGTGTACTATAAGAAG
 AAGGACAAGAAGAGCTTGGACGCCCGCGGAAGCACTTCAATCAGTGGTGTGCGCTCAGGACTTACCA
 AGCCACAGGATGGTACATTATAGCGCCTCTATAACGCCTCTGAAATGGAATAAAAAGACTTCATCTTG
 CATCGAAGAAGTATCAAAGTAAAAACGTGCTCAAGTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217011 representing NM_001191743
 Red=Cloning site Green=Tags(s)

MQRPDSEQPAKRSRCDGSPRTPPSTRPAAANESADPESSDLRTWGPEDVCSFLEKRGFREKKVLDIFREN
 KISGSFLPFLDENLLESLGVSSLEQRKKMIECIQKLNQSRIDLKMFVNDPIHGHIIEFHPLLRIRIIDTPQF
 QRLRYIKQLGGYVYVFPGASHNRFEHSLGVLGAGCLVRALAEKQPELQISERDMLCVQIAGLCHDLGHG
 PFSHMFDRGFIPLARPDIKWRHEQGSVEMFEHLVNSNELKLVKMYGLVPEEDITFIKEQIMGPPVSPVK
 DCLWPYKGRPAKKSFLYEIVANKRNGIDVDKWDYFARDCHHLGIQNNFDYKRFIKFARICEVDDETRAHK
 VKHICTREKEVGNLYDMFHTRNCLHRRAYQHKIGNLIDIMITEAFLKADPHVEITGTEGKFRISTAIHD
 MEAFSKLTDNIFLEILYSTDPQLSEARNILRNIECRNLKYKLGTEQPKREIKKAEYDKLAQEVANAKPE
 IAPDVELKAEDFIVDVINMDYGMEDKNPIDNVHFYCKSDSRQAVTITKDQVSQLLPQKFAEQLIRVYYKK
 KDKKSLDAAGKHFIQWCALRDFTKPQGDIIAPLITPLKWNKKTSSCIEEVSKVKTCLKF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001191743

ORF Size: 1860 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_001191743.1](#), [NP_001178672.1](#)

RefSeq Size: 2327 bp

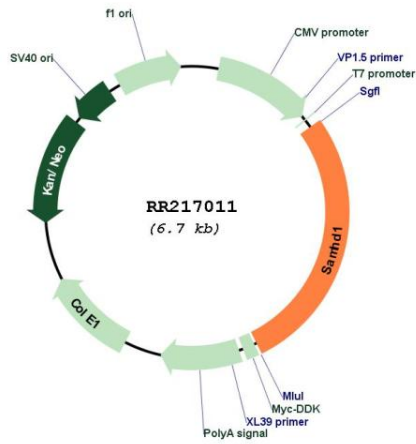
RefSeq ORF: 1863 bp

Locus ID: 311580

Cytogenetics: 3q42

MW: 71.7 kDa

Product images:



Circular map for RR217011