

Product datasheet for MR206121

Hsfy2 (NM_027661) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hsfy2 (NM_027661) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hsfy2
Synonyms:	4933413G11Rik; Hspy2l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206121 representing NM_027661 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAAGCACCTTCGGAAATGCAGGCTGTTCCCTAACAGTCTATCAACAGATTTAGAGACCTCTT
CCGGCGAGCCTTGGTGTGACAACACAGGTCAGAAGGACTCAGACTTATGGGCTATTATTGAGAAAGTGC
ATTTTCAGTTTTGGCTCAGCGATTCTTGATAAAGAGGCCACCGCATACCTCTGTGCCTCAGAGCCAGAT
GAAGACAGTAACCTATTTTCAATGACCTTCCCCAGAAAACCTGGAAAATAGTGGGAAGTGACAAATTTA
AGTCTATTTGGTGGGATGAGGACGGGACTTACATAGTGATCAATGAAGAGCTCTTCAAGAAGGAAGTGT
GGAAGAAAGGCCCTTCAGAATATTTGAAACTGATAGCATGAAAAGTTTGGTTGACAACCTTAATCTG
TATGGATTCAGGAAAATGAGACAGAACTTCCAAAGATCTGCTTCTCTCCCGACTTCTGGCTGAAGAAA
AAGGAATTTCTGCCTCATGTAAGTTACAATTCTACCAGAAATCCAACTTTCTGAGAGACTGTCCCATCT
TATAGAAAGAAATGAAAAGGAGAAATGGGATTAACAGTTTCTCGTGGAGCTGCTCCTTCCCTTCTGAT
TCAAGAACAACACTTCAGACCAGACTTGGTCAAGATGGATGACCATAGTTTGGGTGTAGCTGTCCAAA
CCAGTGAGAGAACTTGTGTCCAGCTTAGTATTTCAAATGTATATCTGAGACAGAAGCCTTCTCTTGC
TCAAGGGGTTCTGATACGATGGATGTCATCAGAAGCGACTTTTCTTTCGCAACGCCAAGTTCCTTCAGA
CCACCTGAAGAAATCTAACACATCGGCCTGCTCCATTAATGAGGTGTCCTCTCTTTGTATGGACTCAC
AGAGAATCTTCACTCAAGCAAACGACAGCACTGTGAATTTCAATTATAACCTCTATTACTCAAACCGCGG
GGACATGTCTCACTTGTGGAATAGTTGTATTGAAATGCAAGGAGAGCCTTCTTTTCAGCCTGGGTTTCT
CACTTTTCATCCAGTTTCTACTTATTCTGACTCAAAGCAAAGGGCGAACCTGAGTTACCGATACACA
AGGAAAGAGTAGCATCTACCAGTTGGCATCAACATCAAACCTCACTCATCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR206121 representing NM_027661
Red=Cloning site Green=Tags(s)

MAEAPSEMQAVSPNSLSTDLETSSGEPWCDNTGQKDSDLWAIIEESAFQVLAQRFLIKRPPHTLCASEPD
EDSNLFSMTFPRKLWKIVGSDKFKSIWDEDGTYIVINEELFKKEVLERKAPFRIFETDSMKSLVRQLNL
YGFRKMRQNFQRSASLPDLAEKGISASCKLQFYQNPFLRDCPHLIERMKRRIKIKTVSRGAAPSLPD
FKNKHFRPDLVKMDDHSLGVAVQTSERNLLSSSSISNVYLRQKPSLAQGGSDTMDVIRSDFLATPSSFR
PPEEILTHRPAPLNEVSSLCMDSQRIFTQANDSTVNFIIITSITQNRGDMSHLWNSCIEMQGEPSFQPGFP
HFSSSSSTYSDSKAKGEPELPIHKERVASTTLASTSNHHSSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9060_g06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_027661

ORF Size: 1176 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_027661.2](#), [NP_081937.1](#)

RefSeq Size: 1408 bp

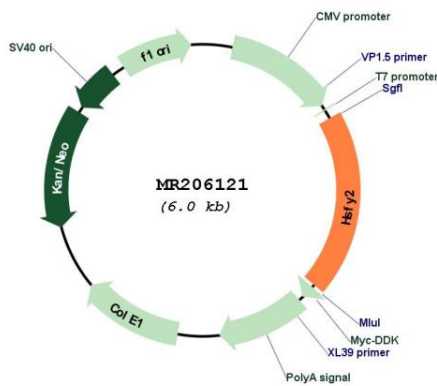
RefSeq ORF: 1179 bp

Locus ID: 71066

Cytogenetics: 1 C1.3

MW: 44.2 kDa

Product images:



Circular map for MR206121