

Product datasheet for MR205856

Hykk (NM_177351) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hykk (NM_177351) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hykk
Synonyms:	Agphd1; C630028N24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205856 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTC AAGTGGAGCTGGCTGGCAGTCACAGGCTTCTGCCAAGCCGTTTTACTGAGGCACAAGCCTCTG
CACTGGTAGAATCGGTATTTGGTTCAAAGTTTCCAAGATCCAGCCACTCCCTAGCTATGAGGACCAAAA
CTTTCGTGTTACATTGCAAGAGGCAAAGAGACTACAGATGACCCAGTTGAATATGTCCTCAAAAATAGC
AATACGGAGTCTAGCCAACTCCAGAGCTGATTGAAATGCAGAACCATGTCATCATGTTCTGAGAGCAG
CTGGATCCCAACAGCCTCCGTATGCCGAATAAAGGGACAACACCATCTCTCATATCCATTGACAG
TGGATCTGGAGTCAAAGCTACTTGGTAAGAATGCTCACTTACCTCCAGGAAGCAATAGCTGAGGTT
GCCATCAGCCACCAGCAATTATATGAAATAGGAAGGCTGGCTGCCAATTGGATAAAGCCCTAGAGGAAT
TCCATCATCAAAGTTAAGTCTTTTTTCATCGGGAGAATTCATCTGGAATCTGAAAAATGTTCTCTTCT
AGAGAAATACATGGGTGCCCTGAGCCAAAGTCGAAACCGGGAGATTGTTGAACAGGTCATTCCGATGTT
AAGGAAGAAGTAATGACCAAAATTAAGTCATTTTCGAGAATGTATTAATCATGGTGATCTTAATGACCATA
ACATTTTAGTAGACTTCAGCAAGTCAGCCTCTGGAGAAGGTGTGCATCAAGTGTCTGGGATTTTAGACTT
CGGTGACATGAGCTATGGCTACTATGTGTTGAAGTGGCAATCGTTATCATGTACATGATGATTGAAAGC
ACAAACCTATACAAGTAGGAGTCCATCCTCGCAGGTTTGAAGTGTGATCCCCCTGACGGCTGTAG
AGAGGCAGGCTTTGTTTTACTTGTATGCAGTCGTTTTAGCCAGTCTCTGTCATGGCTGCATACTCCTG
CCAGCTGTACCCAGAGAACAAGAGTACCTCATGATTACAGCCAAAACCGGATGGAAGCATTACAGCAG
CTGTTTCGACATGGCCAGAAAGCCGTTGAAGAAATCTGGTTTGAAGTCCCAAGTCTATGAATCTGAGA
TATCCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR205856 protein sequence
 Red=Cloning site Green=Tags(s)

```
MSSGAGWQSQASAKPVFTEAQASALVESVFGFKVSKIQPLPSYEDQNFRVHIARGKETDDPVEYVLKIS
NTESSQTPELIEMQNHVIMFLRAAGFPTASVCRTKGDNTISLISIDSGSGVKSYLVRMLTYLPGRPIAEV
AISHQQLYEIGRLAAQLDKALEEFHHPKLSLFHRENF IWNLKNVPLLEKYMICALSQRNREIVEQVIRMF
KEEVMTKLSHFRECINHGDLNDHNILVDFSKSASGEGVHQVSGILDFGDMSYGYVFEVAIVIMYMMIES
TNPIQVGGHILAGFESVIPLTAVERQALFLLVCSRF SQSLVMAAYSCQLYPENKEYLMITAKTGWKHLQQ
LFDMGQKAVEEIIWFETAKEYESEISM
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_177351

ORF Size: 1131 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_177351.1](#), [NM_177351.2](#), [NM_177351.3](#), [NM_177351.4](#), [NP_796325.1](#)

RefSeq Size: 5103 bp

RefSeq ORF: 1131 bp

Locus ID: 235386

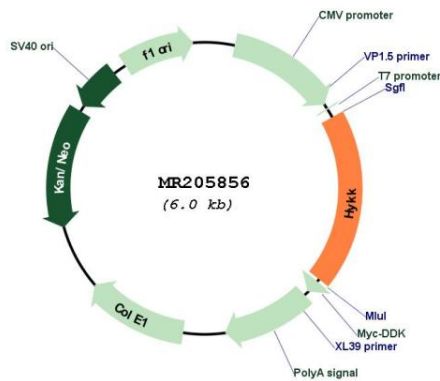
UniProt ID: [Q5U5V2](#)

Cytogenetics: 9 B

MW: 42.4 kDa

Gene Summary: Catalyzes the GTP-dependent phosphorylation of 5-hydroxy-L-lysine.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205856