

Product datasheet for **RR205087**

Hyal4 (NM_001100780) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hyal4 (NM_001100780) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hyal4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR205087 representing NM_001100780
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAACTATTGTCTGAAGGACAATTAAGACGCTGTGTTGTTCAACCAGTACATCTTACATCAGGGCTGC
 TCATATTTTTTATCCTGAAGTCTATCTCATCCCTAAAACCTGCTCGACTTCCAGTTTATCAAAGGAAACC
 TTTTATAGCTGCTTGAATGCTCCAACAGACCTGTGTTTGATAAAAATAAATTTGGCAGTGAACCTAAAA
 GTGTTTCAGATGGTTGGAAGCCCTCGGCTCAAAGACAGGAGGCAAAATGTTGTTATATTTTATGCCAACA
 AATTGGGATCTTACCATGGTATACATCAGAAGGGGTACCCATCAATGGTGGTCTCCCCAAAACACAAG
 CTTACAGGTACACCTGAAAAGGCTTACCAGGATTAATTATTACATCCCTTCTGAAAATTTAGTGGA
 CTTGCTGTTATAGACTGGGAATATTGGCGCCACAGTGGGCCGGAAGTGAACACCAAGGATATCTACA
 GACAGAAGTCAAGAACTTTATTTCTGATGAAGGAGAACATATCCACTGCTGATTTGAATTTTAGC
 CAAAGCAACTTTTGAAGAAAGTCAAAAGCTTTTATGGAGAACTATCAAATTTGGAATTAAGAGCAGA
 CCCAAGGGCTTTTGGGGTTACTTGTATCCTGACTGCCACAATTACAATTTTTATGCTACAACTATA
 CCGGGTCATGCCAGAAGAGGAAGTTTTGAGGAACAATGACCTCTCTGGCTCTGGAACAGCAGTACTGC
 TCTGTATCCTGCTGTTAGTATTAGGAAATCCTTTGCAGACAGTAAAATACTTTGCACTTCTCACAATTT
 CGGGTGCGTGAATCACTGAGGATCTCTACTATGACATCACATGATTATGCTCTGCCCGTATTTGTCTACA
 CACGGCTGGGCTACAAAGAGGAACCTTTGCTTTTCCTTTAAGCAAGATCTAATTAGTACCATAGGAGA
 AAGTGTGCGTTGGGAGCTGCAGGCATTGTTGTTGGGAGACATGAATTTAACTTATCTGCGGAGAAC
 TGTACAAAGGTGAACCGCTTTGTAACCTGATTTTGGTAGCTACGTAATCAATGTGACCACAGCAGCTG
 AAGTGTGACGTCATCTTTGCAAGAACAATGGGAGGTGTGCACGGAAGACATGGAAGCAGTCATTA
 CCTCCACTTGAACCCCTGCGAGTTACCACATAGAGGCCTCTGCAGATAGAGAATTCGTAGTGAAGGAAGA
 GCGTCAGATGCTGACCTAGCCGCCATGGCAGAGAATTTTCTATGTCACTGTTATGAGGGCTATGAGGGG
 CTGACTGTAGAGATATGACAGAGGCCAGTGGCCCTCGGGGGTTTCCGTTTCTCTAGTTCAGTAATAAC
 ACTGTGCTGATAGCTCTAGCAGGTCATCAAAGCATTAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205087 representing NM_001100780
 Red=Cloning site Green=Tags(s)

MQLLSEGLRRCVVPVHLTSGLLIFFILKSISSLKPARLPVYQRKPFIAAWNAPTDLCLIKYNLAVNLK
 VFQMVGSPRLKDRRQNVVIFYANKLGSYPWYTSEGVPIINGGLPQNTSLQVHLEKAYQDINYYIPSENFSG
 LAVIDWEYWRPQWARNWNTKDIYRQKSRTLISDMKENISTADIEYLAKATFEKSAKAFMEETIKLGIKSR
 PKGFWGYLYPDCHNYNFYATNYTGSCPEEEVLRNNDLSWLWNSSTALYPVAVSIRKSFADSENTLHFSQF
 RVRESLRISTMTSHDYALPVFVYTRLGYKEEPLFLSKQDLISTIGESAALGAAGIVVWGMNLTSSAEN
 CTKVNRVNSDFGSYVINVTAAEVCSRHLCKNNGRCARKTWKAAHYLHLPASYPHYEASADREFVVKGR
 ASDADLAAMAENFLCHCYEGYEGADCRDMTEASGPSVSVSSSSVITLCLIALAGHQSIQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

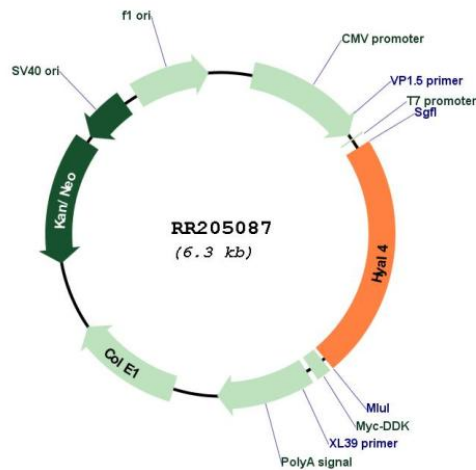
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001100780

ORF Size: 1443 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_001100780.1](#), [NP_001094250.1](#)

RefSeq Size: 3266 bp

RefSeq ORF: 1446 bp

Locus ID: 404783

Cytogenetics: 4q22

MW: 54.3 kDa