

Product datasheet for **MG207375**

Hyal1 (NM_008317) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hyal1 (NM_008317) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hyal1
Synonyms:	Hya1; Hyal-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207375 representing NM_008317
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTGGGCTTACACAGCATGCTCAGAAAGTTTGGAGAATGAAGCCCTTCAGTCCTGAGGTTTCCCAG
 GCTCATCCCCTGCCACCGCAGGCCACCTGCTTCGCATCTCTACTCTTCTCCTGACTTTGCTCGAGTTGGC
 CCAAGTCTGCAGAGGTTCCGTGGTATCCAACCGGCCATTCACTACTGTTTGAATGGAGACTCATTGG
 TGCCTGACGGAGTATGGAGTGGATGTGGATGTCAGTGTCTTCGATGTGGTTGCCAACAAGGAGCAGAGTT
 TCCAAGGCTCTAACATGACAATTTCTACAGAGAGGAATTGGGCACCTACCCCTACTATACACCCACAGG
 GGAACCCGATTTGGTGGTCTGCCCCAGAATGCCAGCCTGGTTACCCACCTTGCTCACACATTCCAGGAC
 ATCAAGGCTGCCATGCCTGAACCTGACTTCTCAGGACTGGCAGTCATTGATTGGGAGGCTTGGCGCCAC
 GGTGGGCTTCAACTGGGACAGCAAGGACATTTATCGGCAGCGCTCAATGGAAGTGGTCCAGGCAGAGCA
 CCCTGATTGGCCAGAACTTTAGTGAAGCAGCAGCCAAAAACCAGTTCCAGGAAGCTGCAGAGGCTGG
 ATGGCAGGCACCCCTCCAACCTGGGGCAGGTAAGTGGTCCCGTGGCTCTGGGGCTACTATGGCTTCCCTG
 ACTGCTACAACAACGACTTTCTAAGTCTCAACTACACAGGCCAGTGGCCAGTATTCGTCCTGATCAGAA
 CGACCAGCTAGGGTGGTTGTGGAACAGAGCTATGCCCTTTACCCAGTATTTATTTGCCTGCAGCACTG
 ATGGGCACAGAGAAGTCACAGATGTACGTTTCGACACCGTGTGCAAGAGGCGCTCCGTGTGGCTATAGTTT
 CCAGAGACCCCATGTGCCCGTAATGCCCTACGTCAGATCTTCTATGAAATGACAGATTATCTTCTGCC
 CCTGGAGGAAGTGGAGCACAGCCTGGGGGAGAGTGCAGCCAGGGAGTGGCAGGAGCAGTGTCTGGCTA
 AGCTCAGACAAAAAAGTACCAAGGAATCATGCCAGGCCATTAAAGCATACATGGATTCTACACTTGGGC
 CCTTCATCGTGAACGTGACCAGTGCAGCTCTTTTGTGCAGCGAAGCTCTGTGTTCCGGCCATGGTCGCTG
 TGTCGCGCATCCAAGTTATCCTGAGGCTCTCCTCACCCCTCAACCCTGCCAGTTTCTCCATTGAGCTAACA
 CATGATGGCAGGCCCCGAGCCTCAAGGGTACCCTCTCACTTAAGGACCGGGCGCAGATGGCTATGAAAT
 TCAGGTGCCGATGCTACCGTGGATGGAGAGGCAAGTGGTGTGACAAGCGGGGTATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207375 representing NM_008317
 Red=Cloning site Green=Tags(s)

MLGLTQHAQKVWRMPFSPEVSPGSSPATAGHLLRISTLFLTLEELAQVCRGSVVSNRPFITVWNGDTHW
 CLTEYGVDDVSVFDVVANKEQSFQGSNMTIFYREELGTYPYPTGEPVFGGLPQNASLVTHLAHTFQD
 IKAAMPEPDFSGLAVIDWEAWRPRWAFNWDSDIYRQRSMELVQAEHPDWPETLVEAAAKNQFQEAEEAW
 MAGTLQLGQVLRPRGLWGYYGFPCYNDFLSLNYTGQCPVFRDQNDQLGWLWNQSYALYPSIYLPAAL
 MGTEKSQMYVRHRVQEALRVAIVSRDPHPVMPYVQIFYEMTDYLLPLEELEHSLGESAAQGVAGAVLWL
 SSDKTSTKESCQAIKAYMDSTLGPFIIVNVTSALLCSEALCSGHGRCVRHPSYPEALLTLNPASFSEILT
 HDGRPPSLKGTLSLKDRAQMAMKFRRCYRGWRGKWCCKRGM

TRTRPLE - GFP Tag - V

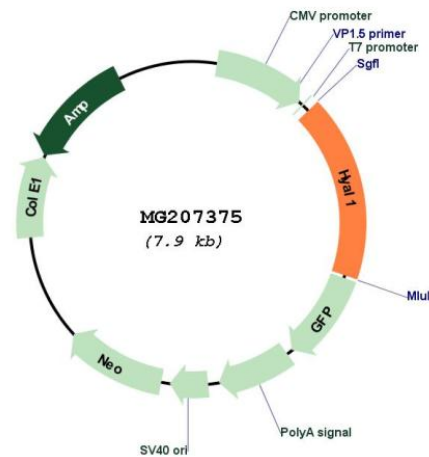
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008317

ORF Size: 1386 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:	<ol style="list-style-type: none">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:	<u>NM_008317.3</u>
RefSeq Size:	2191 bp
RefSeq ORF:	1389 bp
Locus ID:	15586
UniProt ID:	<u>Q91ZJ9</u>
Cytogenetics:	9 58.17 cM
Gene Summary:	May have a role in promoting tumor progression. May block the TGFB1-enhanced cell growth. [UniProtKB/Swiss-Prot Function]