

Product datasheet for **MG206343**

Hgd (BC024369) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hgd (BC024369) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hgd
Synonyms:	aku; Hgo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206343 representing BC024369 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGTGCTTCAGAGGATCCTCGCTGTCCAGGTTCCCTGCCAAAGGACAGCTGGCTGTATAGGATTC
TTCCTTCAGTTTCTCACAAACCCTTTGAGTCCATCGACCAAGGCCATGCACTCACAACTGGGATGAAGT
TGGCCCTGATCCTAACCAGCTAAGATGGAACCATTTGAGATTCCAAAAGCGTCTGAGAAGAAAGTGGAC
TTTGTGAGTGGTTGTACACCTTATGTGGAGCAGGAGACATCAAGTCTAACAACGGCCTTGCTGTGCACA
TTTTTCTGTGTAACCTCCATGGAGAACAGGTGCTTTTACAACCTCAGATGGGGATTTCTGATTGTTC
CCAGAAAGGGAACTTCTCATTTACACCGAGTTTGGCAAGATGTCCTGCAGCCCAATGAAATCTGCGTC
ATTCAGAGAGGAATGCGATTGAGCGTGCATGCTTTGAGGAGACCAGGGCTACATCCTGGAGGTCTATG
GTGTCCACTTTGAGTTACCTGACCTGGGACCCATCGGAGCAATGGCTTGGCCAATCCTCGAGATTTCTT
GATTCCCGTTGCCTGGTATGAAGATCGTCGAGTGCCAGGTGGTTACACTGTGATTAATAAATTCAGGGC
AAGCTGTTTGCTTGAACAGGATGTCTCTCATTCAATGTCGTGGCCTGGCATGGAACTACACACCT
ACAAGTACAACCTAGAGAACTTCATGGTCATCAATGCGGTAGCCTTTGACCATGCGGATCCTTCCATTTT
CACCGTGCTGACTGCCAAATCCCTCCGACTGGGGTGGCTATTGTGACTTTGTGATCTTCCACCTCGG
TGGGGAGTTGCAGATAAAACCTTCAGACCTCCTTATTACCAGGAAGTGCATGAGTGAGTTCATGGGCC
TCATCAAAGGTCACTATGAGGCAAAGCAAGGTGGATTCCCTGCCAGGGGGCGGAGCCTGCACAGTGCCAT
GACCCCTCACGGCCCGATGCAGACTGCTTTGAAAAGGCCAGCAAGGCCAAACTCGAGCCAGAGAGGATA
GCTGACGGCACCATGGCGTTTATGTTTGAATCTTCTTAAGTTTGGCGGTACCAAGTGGGGACTCAAGA
CCTGTAGCTGTTGGATGAGAACTACTACAAATGTTGGGAGCCTCTCCGGAGCCACTTACCCCCAATTC
CAGGAGCCCGACAGGCCTAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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 Red=Cloning site Green=Tags(s)

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MSVLQRILAVQVPCPKDSWL YRILPSVSHKPFESIDQGHVTHNWDEVGDPNQLRWKPF EIPKASEKKVD
FVSGLYTL CGAGDIKSNGLAVHIFLCNSSMENRCFYNSDGDFL IVPQKGLLIYTEFGKMSLQPNEICV
IQRGMRFSVDVFEETRGYILEVYGVHFFLPDLGPIGANLANPRDFLIPVAWYEDRRVPGGYTVINKFQG
KLFACKQDVSPFNVAWHGNYTPYKYNLENFMVINAVAFDHADPSIFTVL TAKSLRPGVAIADFVIFPPR
WGVADKTRPPYYHRNCMSEFMGLIKGHYEAQKGGFLPGGSLHSAMTPHGPDADCFEKASKAKLEPERI
ADGTMAFMFESSLSLAVTKWGLKTCSCLDENYYKCWEPLRSHFTPNRSRSPTEPK
```

TRTRPLE - GFP Tag - V

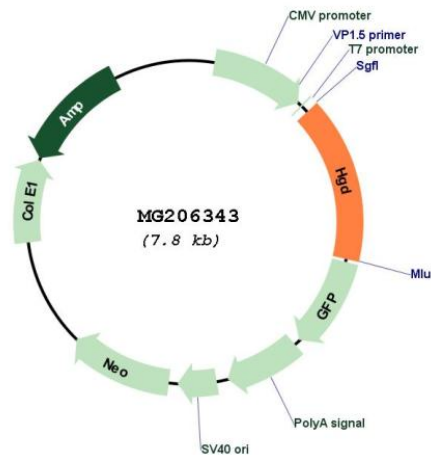
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC024369

ORF Size:	1212 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:	BC024369.1
RefSeq Size:	1530 bp
RefSeq ORF:	1214 bp
Locus ID:	15233
Cytogenetics:	16 26.4 cM