

## Product datasheet for **MR206343**

### Hgd (BC024369) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hgd (BC024369) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hgd
Synonyms:	aku; Hgo
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR206343 representing BC024369 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGTGTGCTTCAGAGGATCCTCGCTGTCCAGGTTCCCTGCCAAAGGACAGCTGGCTGTATAGGATTC  
TTCCTTCAGTTTCTCACAAACCCCTTTGAGTCCATCGACCAAGGCCATGCTACTCACAACTGGGATGAAGT  
TGGCCCTGATCCTAACCGACTAAGATGGAACCATTTGAGATTCCAAAAGCGTCTGAGAAGAAAGTGGAC  
TTTGTGAGTGGTTGTACACCTTATGTGGAGCAGGAGACATCAAGTCTAACACCGCCTTGTGTGCACA  
TTTTTCTGTGTAACCTCCATGGAGAACAGGTGCTTTTACAACCTCAGATGGGGATTTCTGATTGTTC  
CCAGAAAGGGAACTTCTCATTTACACCGAGTTTGGCAAGATGTCCTGCAGCCCAATGAAATCTGCGTC  
ATTCAGAGAGGAATGCGATTACCGCTCGATGCTTTGAGGAGACCAGGGGCTACATCCTGGAGGTCTATG  
GTGTCCACTTTGAGTTACCTGACCTGGGACCCATCGGAGCAAATGGCTTGGCCAATCCTCGAGATTTCTT  
GATTCCTGTTGCCTGGTATGAAGATCGTCGAGTGCCAGGTGGTTACACTGTGATTAATAAATCCAGGGC  
AAGCTGTTGCTTGCAAACAGGATGTCTCTCCATTCAATGTCGTGGCCTGGCATGGAAACTACACACCTT  
ACAAGTACAACCTAGAGAACTTTCATGGTCAATGCGGTAGCCTTTGACCATGCGGATCCTTCCATTTT  
CACCGTGTGACTGCAAATCCCTCCGACCTGGGGTGGCTATTGCTGACTTTGTGATCTTCCACCTCGG  
TGGGGAGTTGCAGATAAAACCTTACAGACCTCCTTATTACCACAGGAACTGCATGAGTGAGTTCATGGCC  
TCATCAAAGGTCATATGAGGCAAAGCAAGGTGGATTCCTGCCAGGGGGCGGCAGCCTGCACAGTGCCAT  
GACCCCTCACGGCCCGATGCAGACTGCTTTGAAAAGGCCAGCAAGGCCAACTCGAGCCAGAGAGGATA  
GCTGACGGCACCATGGCGTTTATGTTTGAATCTTCTTAAGTTTGGCGGTACCAAGTGGGGACTCAAGA  
CCTGTAGCTGTTGGATGAGAACTACTACAAATGTTGGGAGCCTCTCCGGAGCCACTTACCCCCAATTC  
CAGGAGCCCGACAGGCCTAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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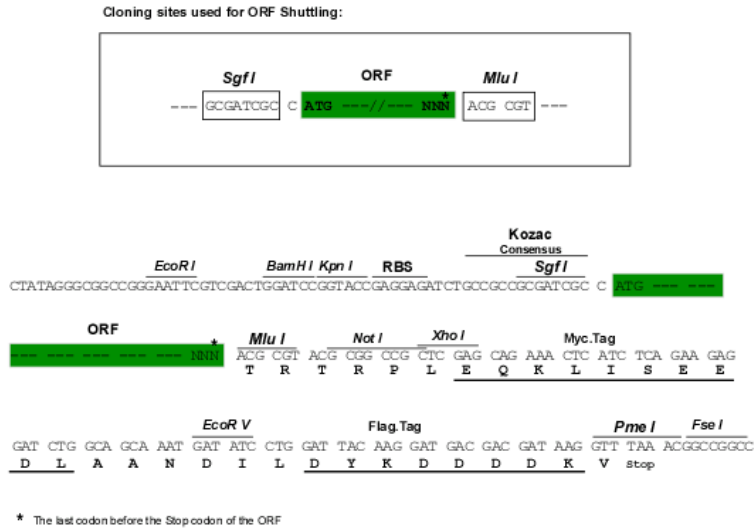
**Protein Sequence:** >MR206343 representing BC024369  
 Red=Cloning site Green=Tags(s)

MSVLQRILAVQVPCPKD SWLYRILPSVSHKPFESIDQGHVTHNWDEVGDPNQLRWKPF EIPKASEKKVD  
 FVSGLYLTCGAGDIKSNGLAVHIFLCNSSMENRCFYNSDGDFLIVPQKGLLIYTEFGKMSLQPNEICV  
 IQRGMRFSDVDFEETRGYILEVYGVHVFELPDLGPIGANLANPRDFLIPVAWYEDRRVPGGYTVINKFQG  
 KLFACKQDVSPFNVAWHGNYTPYKYNLENFMVINAVAFDHADPSIFTVL TAKSLRPGVAIADFVIFPPR  
 WGVADKTRPPYYHRNCMSEFMGLIKGHYEA KQGGFLPGGSLHSAMTPHGP DADCFEKASKAKLEPERI  
 ADGTMAFMFESSLSLAVTKWGLKTCSCLDENYYKCWEPLRSHFTPNRSRSPTEPK

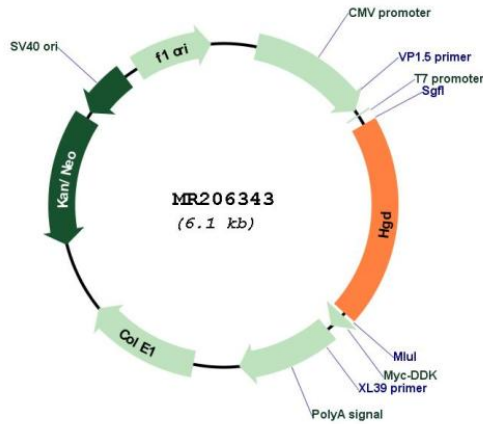
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** BC024369

<b>ORF Size:</b>	1212 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">BC024369.1</a>
<b>RefSeq Size:</b>	1530 bp
<b>RefSeq ORF:</b>	1214 bp
<b>Locus ID:</b>	15233
<b>Cytogenetics:</b>	16 26.4 cM
<b>MW:</b>	56.1 kDa