

Product datasheet for **MG207095**

Hgd (NM_013547) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Hgd (NM_013547) 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) |



[View online »](#)

ORF Nucleotide Sequence:

>MG207095 representing NM_013547
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGAGTTAAAGTACATTTCTGGATTGGGAATGAGTGTGCTTCAGAGGATCCTCGTGTCCAGGTT
 CCCTGCCCAAAGGACAGAATAATCCTCAGGTCTGCCCTACAACCTCTACGCTGAGCAGCTCTCGGGATC
 AGCCTTCACTTGTCCACGGAACCAATAAGAGAAGCTGGCTGTATAGGATTCTTCTTCAGTTTCTCAC
 AAACCCTTTGAGTCCATCGACCAAGGCCATGCTACTCACAACGGGATGAAGTTGGCCCTGATCCTAAC
 AGCTAAGATGGAACCAATTTGAGATTCAAAAGCGTCTGAGAAGAAAGTGGACTTTGTGAGTGGTTGTA
 CACCTTATGTGGAGCAGGAGACATCAAGTCTAACACGGCCTTGTGTGCACATTTTCTGTGTAACCTC
 TCCATGGAGAACAGGTGCTTTTACAACCTCAGATGGGGATTTCTGATTGTTCCCGAGAAAGGAACTTC
 TCAATTTACACCGAGTTTGGCAAGATGTCCTGCAGCCCAATGAAATCTGCGTCATTAGAGAGGAATGCC
 ATTCAGCGTCGATGTCTTTGAGGAGACCAGGGGCTACATCCTGGAGGTCTATGGTGTCCACTTTGAGTTA
 CCTGACCTGGGACCCATCGGAGCAAATGGCTTGGCCAATCCTCGAGATTTCTTGATTCCCGTTGCCCTGGT
 ATGAAGATCGTCGAGTGCCAGGTGGTTACTGTGATTAATAAATTCAGGGCAAGCTGTTTGTCTTGCAA
 ACAGGATGTCTCTCCATTCAATGTCGTGGCCTGGCATGGAACTACACACCTACAAGTACAACCTAGAG
 AACTTCATGGTCATCAATGCGGTAGCCTTTGACCATGCGGATCCTTCCATTTTACCGTGTGACTGCCA
 AATCCCTCCGACCTGGGGTGGCTATTGTGACTTTGTCACTTCCACCTCGGTGGGGAGTTGCAGATAA
 AACCTTCAGACCTCCTTATTACCACAGGAACTGCATGAGTGAATTCATGGGCCTCATCAAAGTCACTAT
 GAGGCAAAGCAAGGTGGATTCTGCCAGGGGGCGCAGCCTGCACAGTCCATGACCCCTCACGGCCCCG
 ATGCAGACTGCTTTGAAAAGGCCAGCAAGGCCAAACTCGAGCCAGAGAGGATAGCTGACGGCACCATGGC
 GTTTATGTTTGAATCTTCTTAAGTTTGGCGGTACCAAGTGGGGACTCAAGACCTGTAGCTGTTTGGAT
 GAGAACTACTACAAATGTTGGGAGCCTCTCCGGAGCCACTTACCCCAATTCCAGGAGCCCGACAGAGC
 CTAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207095 representing NM_013547
 Red=Cloning site Green=Tags(s)

MAELKYISGFGNECASEDPRCPGSLPKGQNNPQVCPYNLYAEQLSGSAFTCPRNTNKRSWLYRILPSVSH
 KPFESIDQGHVTHNWDEVGPDPNQLRWKPFEPKASEKKVDFVSGLYTLGAGDIKSNGLAVHIFLCNS
 SMENRCFYNSDGDFLIVPQKGLLIYTEFGKMSLQPNEICVIQRGMRFSVDVFEETRGIILEVYGVHVEL
 PDLGPIGANLANPRDFLIPVAWYEDRRVPGGYTVINKFQGLFACKQDVSPFNVAWHGNYTPYKYNLE
 NFMVINAVAFDHADPSIFTVLTAKSLRPGVAIADFVIFPPRWGVADKTRPPYYHRNCMSEFMGLIKGHY
 EAKQGGFLPGGSLHSAMTPHGPADCFEKASKAKLEPERIADGTMAFMFESSLSLAVTKWGLKTCSCLD
 ENYYKWEPLRSHFTPNRSRSPTEPK

TRTRPLE – GFP Tag – V

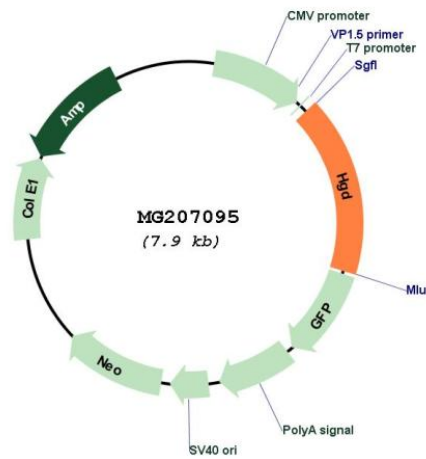
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_013547

ORF Size: 1335 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.

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| 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_013547.3</u> , <u>NP_038575.2</u> |
| RefSeq Size: | 1708 bp |
| RefSeq ORF: | 1338 bp |
| Locus ID: | 15233 |
| UniProt ID: | <u>O09173</u> |
| Cytogenetics: | 16 26.4 cM |