

Product datasheet for **MR207095**

Hgd (NM_013547) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hgd (NM_013547) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hgd
Synonyms:	aku; Hgo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207095 representing NM_013547
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGAGTTAAAGTACATTTCTGGATTGGGAATGAGTGTGCTTCAGAGGATCCTCGTGTCCAGGTT
 CCCTGCCCAAAGGACAGAATAATCCTCAGGTCTGCCCTACAACCTCTACGCTGAGCAGCTCTCGGGATC
 AGCCTTCACTTGTCCACGGAACCAATAAGAGAAGCTGGCTGTATAGGATTCTTCTTCAGTTTCTCAC
 AAACCCTTTGAGTCCATCGACCAAGGCCATGCTACTCACAACGGGATGAAGTTGGCCCTGATCCTAAC
 AGCTAAGATGGAAACATTTGAGATTCAAAAGCGTCTGAGAAGAAAGTGGACTTTGTGAGTGGTTTGA
 CACCTTATGTGGAGCAGGAGACATCAAGTCTAACACGGCCTGTGTGCACATTTTTCTGTGTAAGTCC
 TCCATGGAGAACAGGTGCTTTTACAACCTCAGATGGGGATTTCTGATTGTCCCCAGAAAGGAACTTC
 TCAATTTACACCGAGTTTGGCAAGATGTCCCTGCAGCCCAATGAAATCTGCGTCATTAGAGAGGAATGCC
 ATTCAGCGTCGATGTCTTTGAGGAGACCAGGGCTACATCCTGGAGGTCTATGGTGTCCACTTTGAGTTA
 CCTGACCTGGGACCCATCGGAGCAAATGGCTTGGCCAATCCTCGAGATTTCTTGATTCCCGTTGCCTGGT
 ATGAAGATCGTCGAGTGCAGGTGGTTACTGTGATTAATAAATTCAGGGCAAGCTGTTTGTCTTGCAA
 ACAGGATGTCTCTCCATTCAATGTCTGGCCTGGCATGGAACTACACACCTACAAGTACAACCTAGAG
 AACTTCATGGTCATCAATGCGGTAGCCTTTGACCATGCGGATCCTTCCATTTTACCGTGTGACTGCCA
 AATCCCTCCGACCTGGGGTGGCTATTGTGACTTTGTCTCTCCACCTCGGTGGGGAGTTGCAGATAA
 AACCTTCAGACCTCCTTATTACCACAGGAACTGCATGAGTGAATCATGGGCCTCATCAAGGTCACTAT
 GAGGCAAAGCAAGGTGGATTCTGCCAGGGGGCGCAGCCTGCACAGTCCATGACCCCTCACGGCCCG
 ATGCAGACTGCTTTGAAAAGGCCAGCAAGGCCAACTCGAGCCAGAGAGGATAGCTGACGGCACCATTGGC
 GTTTATGTTTGAATCTTCTTAAGTTTGGCGGTACCAAGTGGGGACTCAAGACCTGTAGCTGTTTGGAT
 GAGAACTACTACAAATGTTGGGAGCCTCTCCGGAGCCACTTACCCCAATTCCAGGAGCCGACAGAGC
 CTAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207095 representing NM_013547
 Red=Cloning site Green=Tags(s)

MAELKYISGFNECASEDPRCPGSLPKGQNNPQVCPYNLYAEQLSGSAFTCPRNTNKRSLYRILPSVSH
 KPFESIDQGHVTHNWDEVGPDPNQLRWKPFEPKASEKKVDFVSGLYTLGAGDIKSNGLAVHIFLCNS
 SMENRCFYNSDGDFLIVPQKGLLIYTEFGKMSLQPNICVIRGMRFSVDVFEETRGIILEVYGVHFL
 PDLGPIGANGLANPRDFLIPVAWYEDRRVPGGYTVINKFQGLFACKQDVSPFNVAWHGNYTPYKYNLE
 NFMVINAVAFDHADPSIFITVLTAKSLRPGVAIADFVIFPPRWGVADKTRPPYYHRNCMSEFMGLIKGHY
 EAKQGGFLPGGSLHSAMTPHGPADCFEKASKAKLEPERIADGTMAFMFESSLSLAVTKWGLKTCSCLD
 ENYYKWEPLRSHFTPNRSRSPTEPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9057_f08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


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.

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_013547.3](#), [NP_038575.2](#)

RefSeq Size: 1708 bp

RefSeq ORF: 1338 bp

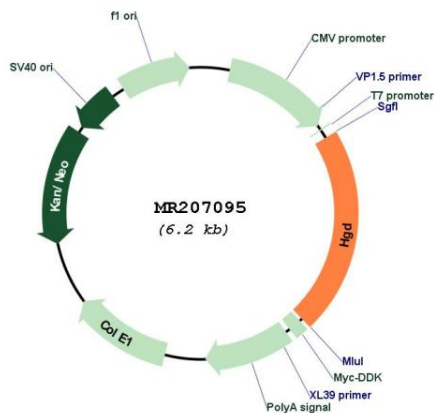
Locus ID: 15233

UniProt ID: [O09173](#)

Cytogenetics: 16 26.4 cM

MW: 50 kDa

Product images:



Circular map for MR207095