

Product datasheet for **RG206740**

HID1 (NM_030630) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | HID1 (NM_030630) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | HID1 |
| Synonyms: | 17orf28; C17orf28; DMC1; HID-1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide
Sequence:

>RG206740 representing NM_030630
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGGGTCGACCGACTCCAAGCTGAACTCCGGAAGGCGGTGATCCAGCTCACCACCAAGACGCAGCCCC
TGGAAGCCACCGATGATGCCTTTTGGGACCAGTTCTGGGCAGACACAGCCACCTCGGTGCAGGATGTGTT
TGCACTGGTGCCCGCAGCAGAGATCCGGGCCGTGCGGGAAGAGTCACCCTCCAACCTGGCCACCCTGTGC
TACAAGGCCGTTGAGAAGCTGGTGCAGGGAGCTGAGAGTGGCTGCCACTCGGAGAAGGAGAAGCAGATCG
TCCTGAACTGCAGCCGGCTGCTCACCCGCTGCTGCCCTACATCTTTGAGGACCCCGACTGGAGGGGCTT
CTTCTGGTCCACAGTGCCCGGGCAGGGCAGGAGGGCAGGGAGAAGAGGATGATGAGCATGCCAGGCC
CTGGCCGAGTCCCTGCTCCTGGCATTGCTGACCTGCTCTTCTGCCCGGACTTACAGGTTACAGGCCACC
GGAGGAGCACTGTGACTCGGCAGAGGACGTCCACTCCCTGGACAGCTGTGAATACATCTGGGAGGCTGG
TGTGGGCTTCGCTCACTCCCCCAGCCTAACTACATCCACGATATGAACCGGATGGAGCTGCTGAACTG
CTGCTGACATGCTTCTCCGAGGCCATGTACCTGCCCCAGCTCCGAAAGTGGCAGCACCAACCCATGGG
TTCAGTCTTTTGTCCACGGAGAACAGACATGCCCTGCCCTCTTACCTCCCTCCTCAACACCCGTGTG
TGCCATGACCCCTGTGGGCTACGGGATCCCTACAACCACCTGCTCTTCTGACTACCGGGAACCCCTG
GTGGAGGAGGCTGCCAGGTGCTCATTGTCACTTTGGACCACGACAGTGCACAGCTGCCAGCCCACTG
TGGACGGCACCACCTGGCACCGCCATGGATGATGCCGATCCTCCAGGCCCTGAGAACCTGTTTGTGAA
CTACCTGTCCCGCATCCATCGTGAGGAGGACTTCCAGTTCATCCTCAAGGGTATAGCCGGCTGCTGTCC
AACCCCTGCTCCAGACCTACCTGCCTAACTCCACCAAGAAGATCCAGTTCACACAGGAGCTGCTAGTTC
TCTTCTGGAAGCTCTGCGACTTCAACAAGAAATTCCTCTTCTTCTGCTGAAGAGCAGCGACGTCAGTGA
CATCCTTGTCCCCATCCTCTTCTTCTCAACGATGCCCGGCCGATCAGTCTCGGGTGGCCTGATGCAC
ATTGGTGTCTTACTTCTGCTGCTTCTGAGCGGGGAGCGGAACTTCGGGGTGCAGGTAACAAACCCACT
CAATCCGCGTGCCATGGACATCCAGTCTTACAGGGACCCACGCCGACCTGCTCATTGTGGTGTCCAA
CAAGATCATCACCAGCGGCCACAGCGTTGCAGCCCCTCTTCTGACTGCCTGCTCACCATCGTGGTCAAC
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CCACCACCTGGTCTCTTCTGCGGCCAGAACCCACCTGGTCTTCTTCTCCTGGAGGTCTTCAA
CAACATCATCCAGTACCAGTTTGTATGGCACTCCAACCTGGTCTACGCCATCATCCGAAGCGCAGCATC
TTCACCAGCTGGCCAACTGCCACGGACCCGCCACCATTACAAGGCCCTGCAGCGGCCCGCGGGA
CACCTGAGCCCTTGTCTCGCACCAGGCTCCAGGAGGGCACCTCCATGGAGGGCTCCCGCCCGCTGCCCC
TGACAGAGCCAGGCACCCTCAAGACCAGTCTGGTGGCTACTCCAGGCATTGACAAGCTGACCGAGAAGTCC
CAGGTGTGAGAGGATGGCACCTTGGCGTCCCTGGAACCTGAGCCCCAGCAGAGCTTGAGGATGGCAGCC
CGGCTAAGGGGGAGCCCAGCCAGGATGGAGGGAGCAGCGGCACCGTCCACCTCATCAGCCAGTGGGCA
GTGGAGCCCAACGCCAGAGTGGGTCTCTCTGGAAGTCGAAGCTGCCGCTGCAGACCATCATGAGGCTG
CTGAGGTGCTGGTCCGCAGGTGGAGAAGATCGCATCGACAAGGGCCTGACGGATGAGTCTGAGATCC
TGCGGTTCTGACGATGGCACCTGGTGGGCTGCTGCCCGTCCCCACCCATCCTCATCCGCAAGTA
CCAGGCCAACTCGGGCACTGCCATGTGGTTCGGCACCTACATGTGGGGCGTCATCTATCTGAGGAATGTG
GACCCCTGTCTGGTACGACACCGACGTGAAGCTGTTTGAGATACAGCGGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206740 representing NM_030630
Red=Cloning site Green=Tags(s)

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MGSTDSKLNFRKAVIQLTTKTQPVEATDDAFWDQFWADTATSVQDVFALVPAAEIRAVREESPSNLATLC
YKAVEKLVQGAESGCHSEKEKQIVLNC SRLLRVLPYIFEDPDWRGFFWSTVPGAGRGGQGEDDEHARP
LAESLLLAIADLLFCPDFTVQSHRRSTVDSAEDVHSLDSCEYIWEAGVGF AHSPQPNYIHDNMRMELLKL
LLTCFSEAMYLPPAPESGSTNPWWQFFCSTENRHALPLFTSLLNTVCAYDPVGYGIPYNHLLFSDYREPL
VEEAAQVLIVTLDHDSASASPTVDGTTTGTAMDADPPGPENL FVNYLSRIHREEDFQF ILKGIARLLS
NP LLQTYLPNSTKIKI QFHQELLVLFWKLCDFNKKFLFFVLKSSDVL DILVPILFFLNDARADQSRVGLMH
IGVFILLLLSGERNFGVRLNKPYSIRVPM DIPVFTGTHADLLIVVFHKIITSGHQRLQPLFDCLLTI VVN
VSPYLKLSMVTANKLLHLEAFSTTWL FSAQNHLVFFLLEVFNNIIQYQFDGNSNLVYAIIRKRSI
FHQLANLPTDPPTIHKALQRRRTPEPLSRTGSQEGTSMEGSRPAAPAEPGTLKTSLVATPGIDKLTEKS
QVSEDGTLRSLEPEPQQSLEDGSPAKGEP SQAWREQRRPSTSSASGQWSPTEWVLSWKSKLPLQTIMRL
LQVLVPQVEKICIDKGLTDESEILRFLQHGT LVGLLPVPHPI LIRKYQANSGTAMWFRTYMWGVIYLRNV
DPPVWYD TDVKLFEIQRV
    
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030630

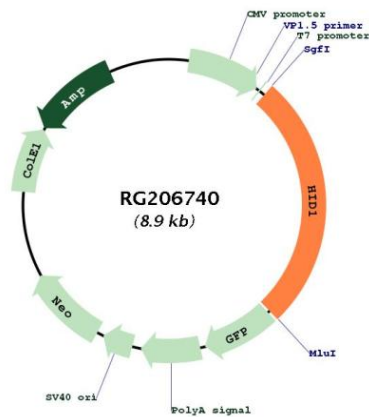
ORF Size: 2364 bp

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_030630.1](#), [NP_085133.1](#)
- RefSeq Size:** 3325 bp
- RefSeq ORF:** 2367 bp
- Locus ID:** 283987
- UniProt ID:** [Q8IV36](#)
- Cytogenetics:** 17q25.1
- Gene Summary:** May play an important role in the development of cancers in a broad range of tissues. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206740