

Product datasheet for **RG236315**

HDDC3 (NM_001286451) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HDDC3 (NM_001286451) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: HDDC3
Synonyms: (ppGpp)ase; MESH1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236315 representing NM_001286451.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCTCTGAGGCGGCGCAGCTGCTGGAGGCTGCCGACTTCGCGGCTCGCAAGCACCGGCAGCAGCGG
CGGAAGGACCCCGAGGGGACCCCTACATCAACCACCCATCGGTGTGGCACGGATCCTGACCCACGAG
GCGGGAATCACTGACATTGTGGTGTACAGGCGGCCCTGCTCCATGACACGGTGGAGGACACAGACACC
ACCCTGGATGAGGTGGAGCTACACTTTGGGGCACAAGTGCAGGCGCCCTGGTGGAGGAGTAACAGATGAC
AAGACTCTGCCAAGCTGGAGAGAAAGAGGCTGCAGGTGGAGCAAGCGCCACAGTAGCCCGGGGCC
AAACTGGTGAAGCTGGCAGACAAGCTGTACAATCTGAGGGACCTGAATCGCTGCACCCAGAGGGATGG
TCAGAACATCGAGTCCAGGAATACTTCGAGTGGGCAGCGCAGGTGGTGAAGGGGCTTCAGGGAACAAAC
CGGCAACTGGAAGAGGCTCTAAAGCATCTGTTCAGCAGCGGGGCTGACAATC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236315
Blue=ORF Red=Cloning site Green=Tag(s)

```
MGSEAAQLLEADFAARKHRQRRKDPEGTPYINHPIGVARILTHEAGITDIVVLQAALLHDTVEDTDT
TLDEVELHFGAQVRRLLVEEVDDKTLPKLERKRLQVEQAPHSSPGAKLVKLADKLYNLRDLNRCTPEGW
SEHRVQEYFEWAAQVVKGLQGTNRQLEEALKHLFKQRGLTI
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLVHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_001286451

ORF Size: 537 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).

RefSeq: [NM_001286451.2](#)

RefSeq Size: 942 bp

RefSeq ORF: 540 bp

Locus ID: 374659

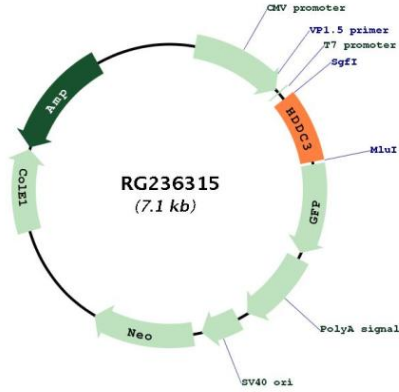
UniProt ID: [Q8N4P3](#)

Cytogenetics: 15q26.1

MW: 20.8 kDa

Gene Summary: ppGpp hydrolyzing enzyme involved in starvation response.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG236315