

Product datasheet for **RG207636**

HDDC3 (NM_198527) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HDDC3 (NM_198527) 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: >RG207636 representing NM_198527
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCTCTGAGGCGGCGCAGCTGCTGGAGGCTGCCGACTTCGCGGCTCGCAAGCACCGGCAGCAGCGGC
 GGAAGGACCCCGAGGGGACCCCTACATCAACCACCCATCGGTGTGGCACGGATCCTGACCCACGAGGC
 GGAATCACTGACATTGTGGTGTACAGGCGGCCCTGCTCCATGACACGGTGGAGGACACAGACACCACC
 CTGGATGAGGTGGAGCTACACTTTGGGCAACAAGTGCGGCGCCTGGTGGAGGAGGTAACAGATGACAAGA
 CTCTGCCAAGCTGGAGAGAAAGAGGCTGCAGGTGGAGCAAGCGCCACAGTAGCCCGGGCCAAACT
 GGTGAAGCTGGCAGACAAGCTGTACAATCTGAGGGACCTGAATCGCTGCACCCAGAGGTAATAACAA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207636 representing NM_198527
 Red=Cloning site Green=Tags(s)

MGSEAAQLLEAADF AARKHRQRRKDPEGTPYINHPIGVARILTHEAGITDIVVLQAALLHDTVEDTDTT
 LDEVELHFQAQVRRRLVEEVTDDKTLPKLERKRLQVEQAPHSSPGAKLVKLADKLYNLRDLNRCTPEVKIQ

SGP**TRTRRLE** - GFP Tag - V

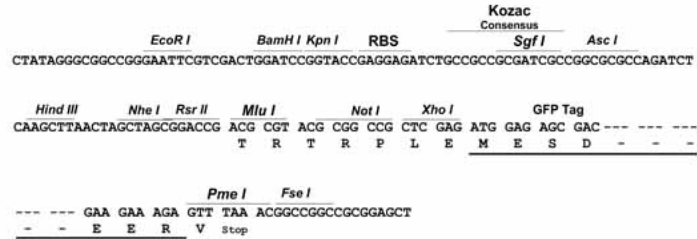
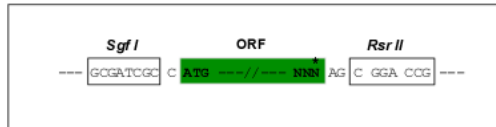
Restriction Sites: Sgfl-RsrII



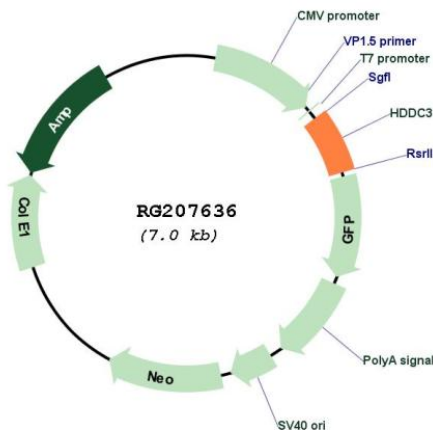
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Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_198527

ORF Size: 420 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:	<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:	NM_198527.4
RefSeq Size:	1089 bp
RefSeq ORF:	423 bp
Locus ID:	374659
UniProt ID:	Q8N4P3
Cytogenetics:	15q26.1
Gene Summary:	ppGpp hydrolyzing enzyme involved in starvation response.[UniProtKB/Swiss-Prot Function]