

Product datasheet for **RG204844**

HINT3 (NM_138571) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HINT3 (NM_138571) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: HINT3
Synonyms: HINT4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG204844 representing NM_138571
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGGAACAGGTGAACCGCAGCGCCGGCCTGGCCCCGACTGTGAGGCCTCGGCGACTGCAGAAA
CTACGGTTTCCTCAGTGGGGACCTGTGAAGCCGCTGGCAAGTACCAGAGCCCAAGGACTACGACAGCAC
CTGCGTGTCTGCCGGATCGCGGGCGGCAGGACCCGGGCACCGAACTCCTGCACTGCGAGAATGAGGAC
CTAATTTGCTTCAAAGATATCAAACCAGCAGCAACTCATCATTATCTTGTGGTGCCAAAGAAGCATATTG
GAAACTGCAGAACTCTAAGGAAAGATCAAGTAGAACTGGTTGAGAACATGGTAACTGTTGAAAAACCAT
TCTTGAAGAAAATAATTTCACTGACTTCACGAATGTGAGGATGGGTTTTATATGCCACCATTCTGTTC
ATTTCCCACTTGACCTTCATGTTCTGGCACCAGTGGATCAGCTTGGCTTCTATCCAAGTTGGTTTATA
GAGTCAATTCCTATTGGTTTATCACAGCTGATCACTTGATTGAAAACTAAGAACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204844 representing NM_138571
Red=Cloning site Green=Tags(s)

MAEEQVNRSAGLAPDCEASATAETTSSVGTCEAAGKSPEPKDYDSTCVFCRIAGRQDPGTELLHCENED
LICKFKDIKPAATHHYLVVPKKHIGNCRTRLRKDQVELVENMVTVGKTIILERNFTDFNTNVRMGFHMPPFC
ISHLHLHVLAPVDQLGFLSKLVYRVNSYWFITADHLIEKLRT

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_138571

ORF Size: 546 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_138571.5](#)

RefSeq Size: 1504 bp

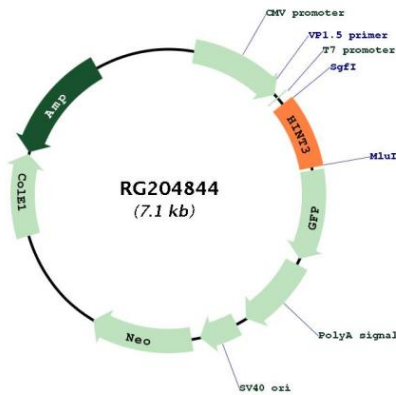
RefSeq ORF: 549 bp

Locus ID: 135114

UniProt ID: [Q9NQE9](#)

Cytogenetics: 6q22.32
Domains: HIT
Gene Summary: Histidine triad proteins, such as HINT3, are nucleotide hydrolases and transferases that act on the alpha-phosphate of ribonucleotides (Brenner, 2002 [PubMed 12119013]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG204844