

Product datasheet for **RG200748**

HSPC150 (UBE2T) (NM_014176) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HSPC150 (UBE2T) (NM_014176) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: HSPC150
Synonyms: FANCT; HSPC150; PIG50
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200748 representing NM_014176
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGAGAGCTTACGCTCTGAAGAGAGAGCTGCACATGTTAGCCACAGAGCCACCCAGGCATCACAT
 GTTGGCAAGATAAAGACCAAATGGATGACCTGCGAGCTCAAATATTAGGTGGAGCCAACACACCTTATGA
 GAAAGGTGTTTTAAGCTAGAAGTTATCATTCTGAGAGGTACCCATTTGAACCTCTCAGATCCGATTT
 CTCACTCCAATTTATCATCAAACATTGATTCTGCTGGAAGGATTTGTCTGGATGTTCTCAAATGCCAC
 CAAAAGGTGCTTGAGACCATCCCTCAACATCGCAACTGTGTTGACCTCTATTCAGCTGCTCATGTCAGA
 ACCCAACCTGATGACCCGCTCATGGCTGACATATCCTCAGAATTTAAATATAATAAGCCAGCCTTCCTC
 AAGAATGCCAGACAGTGGACAGAGAAGCATGCAAGACAGAAAACAAAAGGCTGATGAGGAAGAGATGCTTG
 ATAATCTACCAGAGGCTGGTGAATCCAGAGTACAACTCAACACAGAAAAGGAAGGCCAGTCAGCTAGT
 AGGCATAGAAAAGAAATTCATCCTGATGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200748 representing NM_014176
 Red=Cloning site Green=Tags(s)

MQRASRLKRELHMLATEPPPGITCWQDKDQMDLRAQILGGANTPYEKGVFKLEVIIPERYPFEPPIRF
 LTPIYHPNIDSAGRICLDVCLKLPPKGAWRPSLNIATVLTSLIQLLMSEPNPDDPLMADISSEFKYNKPAFL
 KNARQWTEKHARQKQKADEEEMLDNLPEAGDSRVHNSTQKRKASQLVIEKKFHPDV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_014176

ORF Size: 591 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_014176.4](#)

RefSeq Size: 928 bp

RefSeq ORF: 594 bp

Locus ID: 29089

UniProt ID: [Q9NPD8](#)

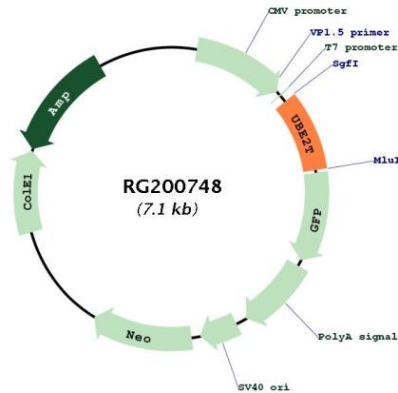
Cytogenetics: 1q32.1

Domains: UBCc

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene catalyzes the covalent attachment of ubiquitin to protein substrates. Defects in this gene have been associated with Fanconi anemia of complementation group T. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2015]

Product images:



Circular map for RG200748