

Product datasheet for **RG204980**

CRIPT (NM_014171) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CRIPT (NM_014171) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CRIPT
Synonyms: HSPC139; SSMDF
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG204980 representing NM_014171
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTGCGAAAAATGTGAAAAGAACTTGGTACTGTTATCACTCCAGATACATGGAAAGATGGTGCTA
GGAATACCACAGAAAGTGGTGGAAAGAACTGAATGAAAATAAGCTTTGACTTCAAAAAAGCAAGATT
TGATCCATATGGAAGAATAAGTTCTCCACTTGTAGAATTTGAAAAGTTCTGTGCACCAACCAGGTTCT
CATTACTGCCAGGCTGTGCCTACAAAAAGGCATCTGTGCGATGTGTGAAAAAAGTTTTGGATACCA
AAA**ACTACAAGCAA**ACATCTGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204980 representing NM_014171
Red=Cloning site Green=Tags(s)
MVCEKCEKKGTVITPDTWKD GARNTTESGGRKLNENKALTSKKARFDPYGKNKFCRICKSSVHQPGS
HYCQGCAYKKGICAMCGKKVLDTKNYKQTSV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_014171

ORF Size: 303 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.

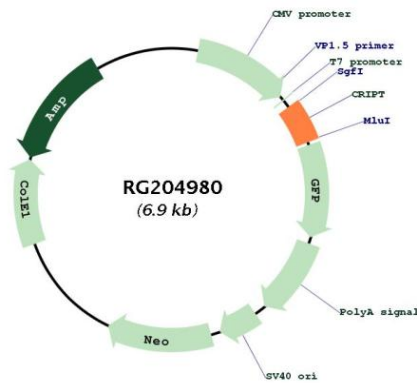
RefSeq: [NM_014171.6](#)

RefSeq Size: 1255 bp

RefSeq ORF: 306 bp

Locus ID: 9419
UniProt ID: [Q9P021](#)
Cytogenetics: 2p21
Gene Summary: This gene encodes a protein that binds to the PDZ3 peptide recognition domain. The encoded protein may modulates protein interactions with the cytoskeleton. A mutation in this gene resulted in short stature with microcephaly and distinctive facies. [provided by RefSeq, Jun 2014]

Product images:



Circular map for RG204980