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Product datasheet for RC220863

PHF3 (NM_015153) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF3 (NM_015153) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PHF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC220863 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

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CCAACCTGGAGAATGAAGTCTGTGAGGATTTTAGTGCAAGTCAAAATGTCTTAGAGGACTCGCTGAAGAA
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Protein Sequence:

>RC220863 protein sequence
Red=Cloning site Green=Tags(s)

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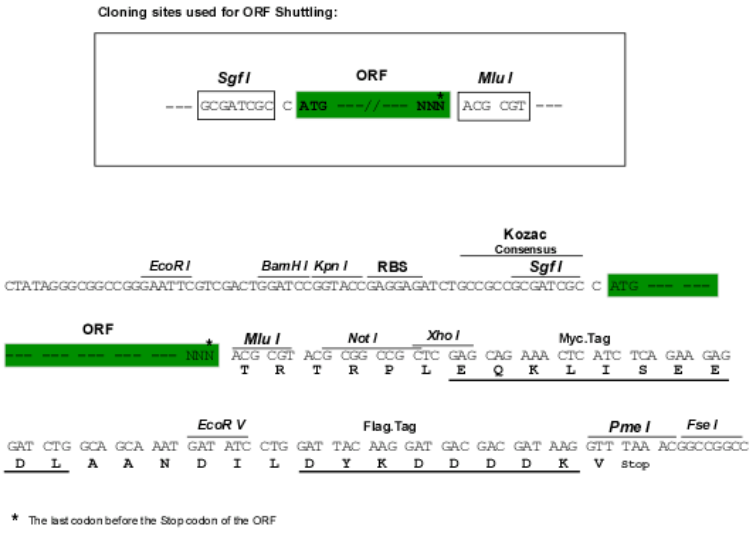
Chromatograms: https://cdn.origene.com/chromatograms/mk6607_c05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015153

ORF Size: 6117 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_015153.4

RefSeq Size: 7960 bp

RefSeq ORF: 6120 bp

Locus ID: 23469

UniProt ID: Q92576

Cytogenetics: 6q12

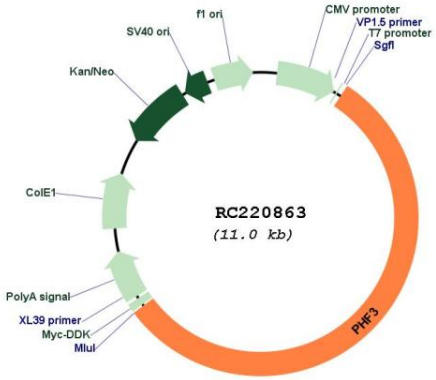
Domains: PHD, TFS2M

Protein Families: Transcription Factors

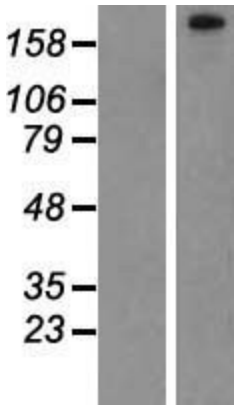
MW: 229.5 kDa

Gene Summary: This gene encodes a member of a PHD finger-containing gene family. This gene may function as a transcription factor and may be involved in glioblastomas development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]

Product images:



Circular map for RC220863



Western blot validation of overexpression lysate (Cat# [LY414748]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220863 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).