

Product datasheet for RC213985

SMCHD1 (NM_015295) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMCHD1 (NM_015295) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SMCHD1
Synonyms:	BAMS; FSHD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213985 representing NM_015295 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCGGGACGGCGGGCCCTGGTGGGCTCTGTGGGACTGAGGAGGATGGCGGAGGCGTCC
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Protein Sequence:

>RC213985 representing NM_015295
 Red=Cloning site Green=Tags(s)

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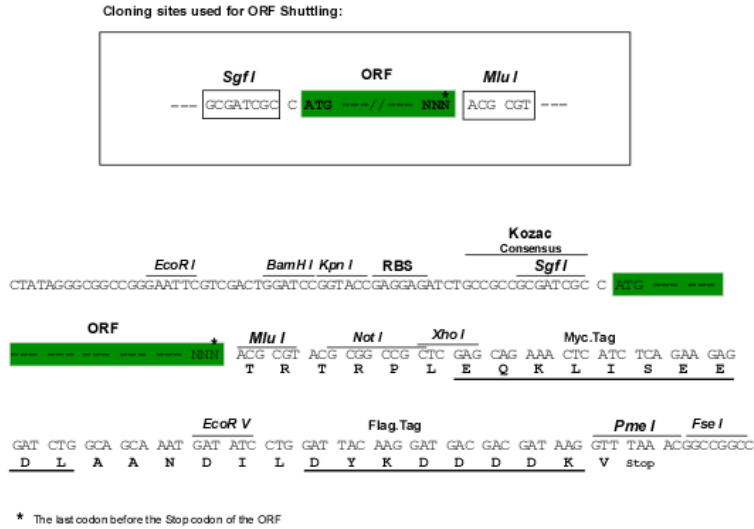
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8029_a09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015295

ORF Size: 6015 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

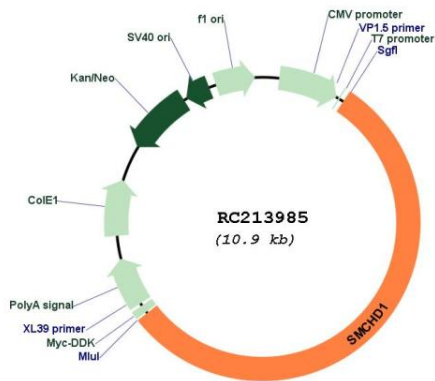
RefSeq: [NM_015295.3](#)

RefSeq Size: 8672 bp

RefSeq ORF: 6018 bp

Locus ID: 23347
UniProt ID: [A6NHR9](#)
Cytogenetics: 18p11.32
Protein Families: Druggable Genome
MW: 226.2 kDa
Gene Summary: This gene encodes a protein which contains a hinge region domain found in members of the SMC (structural maintenance of chromosomes) protein family. [provided by RefSeq, Dec 2011]

Product images:



Circular map for RC213985