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Product datasheet for RC201879

C19orf53 (NM_014047) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C19orf53 (NM_014047) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C19orf53
Synonyms:	HSPC023; LYDG10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

```
>RC201879 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGCAGGGGCAGCGCAAGTTTCAGGCGCACAAACCCGCAAAGAGTAAGACGGCAGCGGCAGCCTCTG
AAAAGAATCGGGGCCCAAGAAAAGGCGGTCGTGTTATCGCTCCCAAGAAGGCGCGCGTCGTGCAGCAGCA
AAAGCTCAAGAAGAACCTAGAAGTCGGAATCCGGAAGAAGATCGAACATGACGTGGTGATGAAAGCCAGC
AGCAGCCTGCCCAAGAAGCTGGCACTGCTGAAGGCCCCAGCCAAGAAGAAAGGGGCAGCTGCCGCCACCT
CCTCCAAGACACCTTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

Protein Sequence:

```
>RC201879 protein sequence
Red=Cloning site Green=Tags(s)

MAQGQRKFQAHKPAKSKTAAAASEKNRGPRKGGRVIAPKKARVVQQQKLKKNLEVGIRKKIEHDVVMKAS
SSLPKKLALLKAPAKKKGAAAATSSKTPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Chromatograms:	https://cdn.origene.com/chromatograms/mk6309_h10.zip
Restriction Sites:	SgfI-MluI

View online »

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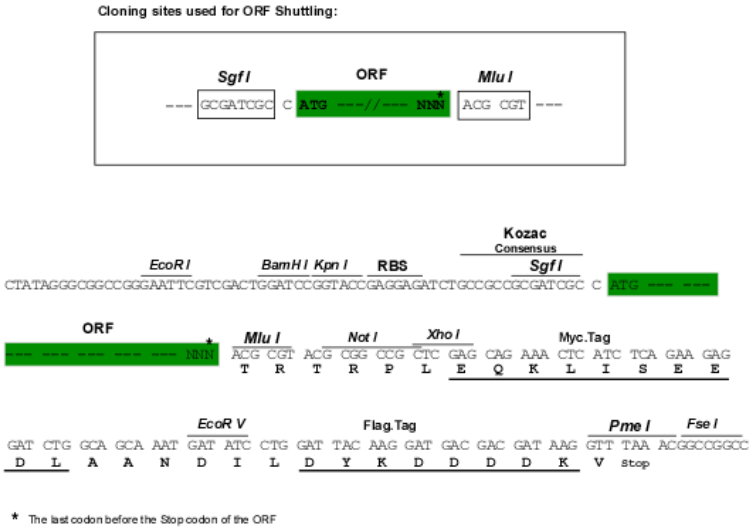
Cloning Scheme:



ACCN:	NM_014047
ORF Size:	297 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_014047.3
RefSeq Size:	934 bp
RefSeq ORF:	300 bp

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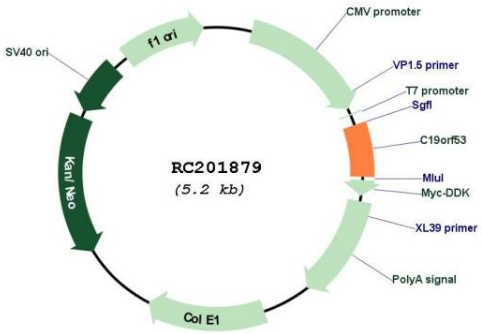
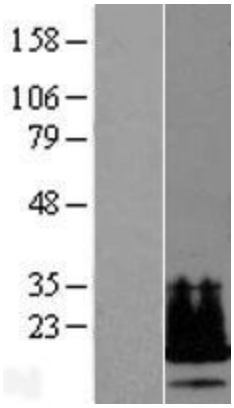
Locus ID:	28974
UniProt ID:	Q9UNZ5
Cytogenetics:	19p13.13
MW:	10.6 kDa
Gene Summary:	May have a potential role in hypercalcemia of malignancy.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC201879



Western blot validation of overexpression lysate (Cat# [LY415508]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201879 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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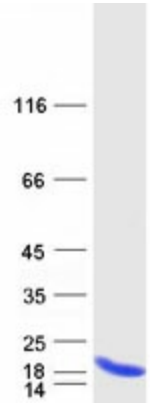

Coomassie blue staining of purified C19orf53 protein (Cat# [TP301879]). The protein was produced from HEK293T cells transfected with C19orf53 cDNA clone (Cat# RC201879) using MegaTran 2.0 (Cat# [TT210002]).

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