

Product datasheet for RC218733

SMRP1 (C9orf24) (NM_147168) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMRP1 (C9orf24) (NM_147168) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C9orf24
Synonyms:	bA573M23.4; CBE1; NYD-SP22; SMRP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC218733 representing NM_147168 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCTCTTCTCCCGTAAGACCAGGACCCCTATCAGTACCTACAGTGACTCCTACAGGGCTCCCACCT
CCATCAAGGAGGTCTATAAGGACCCACCCCTGTGTGCCTGGGAAGCCAACAAGTTTCTGACTCCGGGTCT
GACTCATACCATGGAGCGACATGTGGATCCCGAAGCCCTGCAGAAGATGGCCAAATGTGCTGTACAGGAC
TACACTTATAGGGGTCCATATCAGGCCACCCCTACTTGCTGAGAAGTACTGGCTTTCTCAAGAGGAAG
CAGACAAATGCAGCCAAACTACCTGGGCACTGACTGGTACAACACATGGAGGATGGAACCTTACAACAG
CAGCTGCTGCAACAAGTATACCACCTACCTTCTCGGCTGCCTAAGGAGGCCAGGATGGAGACAGCAGTT
CGAGGAATGCCCTTGAATGCCCTCCTAGGCCGGAGCGGCTCAATGCCTACGAGCGCAAGTGATGGTGA
ACATGCTGAACTCACTGTCGCGGAACCAGCAGCTGCCGCGGATCAGCCCCGATGCGGGTGCCTGGACCC
GCTGCCCGGCCGCTGCCCTTCCATGGTTACGAAAGTCTTGCTCGGGCCGCCACTACTGTCTGCGCGGG
ATGGACTACTACGCCAGCGGGCGCCCTGCACCGACCCGCCCTGCGGCCCTTGGTGCCGGGAGCAACAGA
CTATGTGTACCTCCCTACGAGCACGGCCCGGAATGCAGTGTGCTTTACAACCTCCCCGCCGTCATACT
ACCCATATCCGAACCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC218733 representing NM_147168
Red=Cloning site Green=Tags(s)

MFLFSRKTRTPISTYSDSYRAPTSIKEVYKDPPLCAWEANKFLTPGLTHTMERHVDPEALQKMAKCAVQD
 YTYRGSISGHPYLPKEYWLSQEEADKCSPNYLGSDWYNTWRMEPYNSSCCNKYTTYLPRLPKARMETAV
 RGMPLCPRRPERLNAYEREMVNMLNSLSRNQQLPRITPRCGCVDPLPGRLPFHGYESACSGRHYCLRG
 MDYYASGAPCTDRRLRPWCREQQTMCTSLRAPARNAVCCYNSPAIVLPISEP

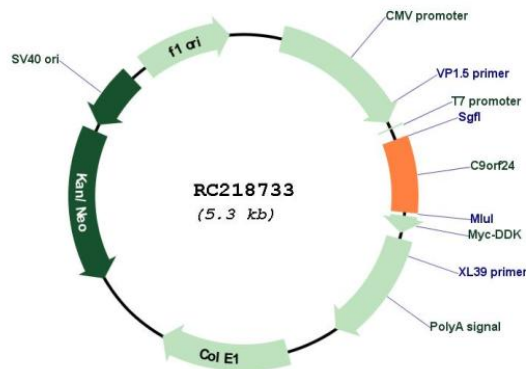
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_147168
ORF Size: 789 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:	<ol style="list-style-type: none">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_147168.1 , NP_671697.1
RefSeq Size:	726 bp
RefSeq ORF:	384 bp
Locus ID:	84688
UniProt ID:	Q8NCR6
Cytogenetics:	9p13.3
MW:	30.2 kDa
Gene Summary:	This gene encodes a nuclear- or perinuclear-localized protein with no predicted domains or similarity to other known proteins. Expression of this gene is induced during the differentiation of bronchial epithelial cells, and the encoded protein may play a role in ciliogenesis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]