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Product datasheet for RC207307

ZC3H3 (NM_015117) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZC3H3 (NM_015117) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZC3H3
Synonyms:	SMICL; ZC3HDC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC207307 representing NM_015117
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGAAAAGGAGATATTACGGCGGCAGATCCGCCTACTGCAGGGTCTGATTGATGACTACAAAACCC
TCCACGGCAATGCCCCGGCCCCTGGTACCCCAGCAGCTTCTGGGTGGCAGCCACCCACTTACCACAGTGG
CAGAGCCTTTAGTGCCCGCTACCCTCGTCCAAGCCGGAGGGGCTACTCTTCCCACCATGGGCCTTCGTGG
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CGTTGCACGGGGCCCGGGGGGGCCAGCCTCCTGTCCCGCAGCAGCATGTCCTTGAGAGACAGGTCCAGCT
CAGTCAGGGTCAGAACGTGGTCATCAAAGTTAAACCGCCATCAAAGTCTGGCTCTGCCAGTGCCTCAGGG
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CCAGCAAGTACAAGTGGAAGGCCTCCAGCCCCTCTGCCTCCTCCTCTTCCTCCTTCCGTTGGCAGTCGGA
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CCACGAGGCACCATCTCTCCAGGAGGCTGCCTTAGCAGCAGCGTGCTCCAACAGGCTCTGCAAGCTGCCT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC207307 representing NM_015117
Red=Cloning site Green=Tags(s)

MEEKEILRRQIRLLQGLIDDYKTLHGNAPAPGTPAASGWQPPTYHSGRAFSARYPRPSRRGYSSHHGPSW
RKKYSLVNRPPGPSDPPADHAVRPLHGARGGQPPVPQQHVLERQVQLSQGQNVVIKVKPPSKSGSASASG
AQRGSLEEFEETPWSDQRPREGEGEPPRGQLQPSRPTRARGTCSVEDPLLVCQKEPGKPRMVKSVGSVGD
SPREPRRTVSESVIAVKASFPSSALPPRTGVALGRKLGSHSVASCAPQLLGDRRVDAGHTDQPVPSGSVG
GPARPASGPRQAREASLVVTCRTNKFRKNNYKWVAASSKSPRVARRALSPRVAAENVCKASAGMANKVEK
PQLIADPEPKPRKPATSSKPGSAPSKYKWKASSPSASSSSSFRWQSEASSKDHASQLSPVLSRSPSGDRP
AVGHSGLKPLSGETPLSAYKVKSRTKIIRRRSSTSLPGDKKSGTSPAATAKSHLSLRRRQALRGKSSPVL
KKTPNKGLVQVTTHRLCRLPPSRAHLPTKEASSLHAVRTAPTSKVIKTRYRIVKKTPASPLSAPPFPLSL
PSWRARRLSLSRSLVLNRLRPVASGGGKAQPGSPWWRSKGYRCIGGVLYKVSANKLSKTSGQPSDAGSRP
LLRTGRLDPAGSCSRSLASRAVQRSLAIIRQARQRREKRKEYCMYYNRFGRCNRGERCPYIHDPEKVAVC
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KKKHTLLCPDFARRGACPRGAQCQLLHRTQKRHSRRAATSPAPGPSDATARSRVSASHGPRKPSASQRPT
RQTPSSAALTAAAVAAPPHCPGGSASPSSSKASSSSSSSSSPPASLDHEAPSLQEAALAAACSNRLCKLP
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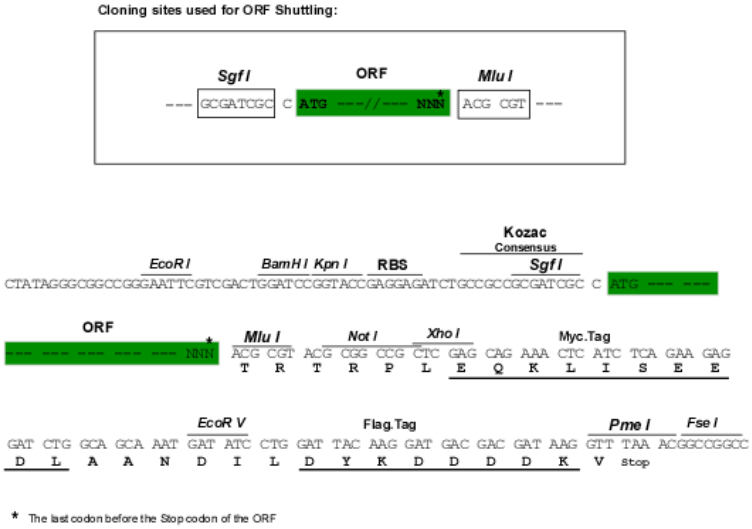
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015117

ORF Size: 2844 bp

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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_015117.3
RefSeq Size:	3268 bp
RefSeq ORF:	2847 bp
Locus ID:	23144
UniProt ID:	Q8IXZ2
Cytogenetics:	8q24.3
MW:	101.8 kDa
Gene Summary:	Required for the export of polyadenylated mRNAs from the nucleus (PubMed:19364924). Enhances ACVR1B-induced SMAD-dependent transcription. Binds to single-stranded DNA but not to double-stranded DNA in vitro. Involved in RNA cleavage (By similarity). [UniProtKB/Swiss-Prot Function]

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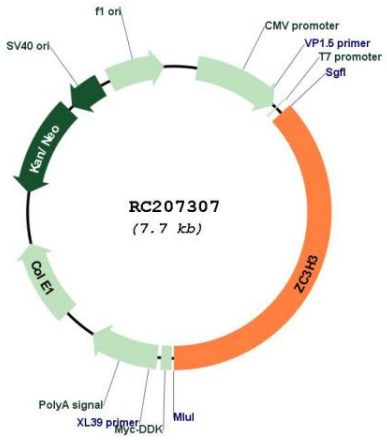
Product images:



Circular map for RC207307

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