

Product datasheet for **RR205522**

Cela1 (NM_012552) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cela1 (NM_012552) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cela1
Synonyms: Ela1; ELAI1; RATELAI1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205522 representing NM_012552
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGCGCTTCCTGGTGTTCGCTTCCCTGGTCTGTATGGACACAGTACCCAGGACTTCCGGAACTA
ATGCCCGCTGGTTGGAGGGCTGAAGCCCGGAGGAACCTCGGCCATCTCAGATTTCCCTCCAGTACCT
GTCCGGAGGATCATGGTACCACACCTGTGGAGGGACCCTCATCCGACGCAACTGGGTGATGACCGTGCC
CACTGTGTGAGCAGCCAGATGACTTCCGAGTGGTCGTCGGAGACCACAACCTGAGTCAGAATGACGGCA
CGGAGCAGTACGTGAGCGTGCAGAAGATCGTGGTGCACCCCAACTGGAACAGCAACAATGTGGCTGCAGG
CTATGACATCGCCCTATTGCGCTTGGCCAGAGTGTACACTCAATAACTACGTCCAGCTGGCTGTTTTG
CCCCAGGAGGGAACCATCCTGGCTAACAAACAATCCCTGTATATCACAGGCTGGGGGAGAACCAGAACCA
ATGGGCAGCTGTCTCAGACCTGCAGCAGGCGTACCTGCCAGCGTGGACTACAGCATCTGCTCCAGCTC
CTTTACTGGGGCTCCACGGTGAAGACGACCATGGTGTGTGCTGGTGGAGACGGAGTCCGCTCTGGGTGC
CAGGGTGATTCTGGGGGACCCCTCCATTGCTTGGTGAACGGCCAGTATTCTGTCCACGGAGTGACCAGCT
TTGTGTCCAGTATGGGCTGTAATGTCTCCAGGAAGCCACAGTCTCACCCGAGTCTCTGCTTACATTTCT
CTGGATGAACAATGTCATTGCCTACAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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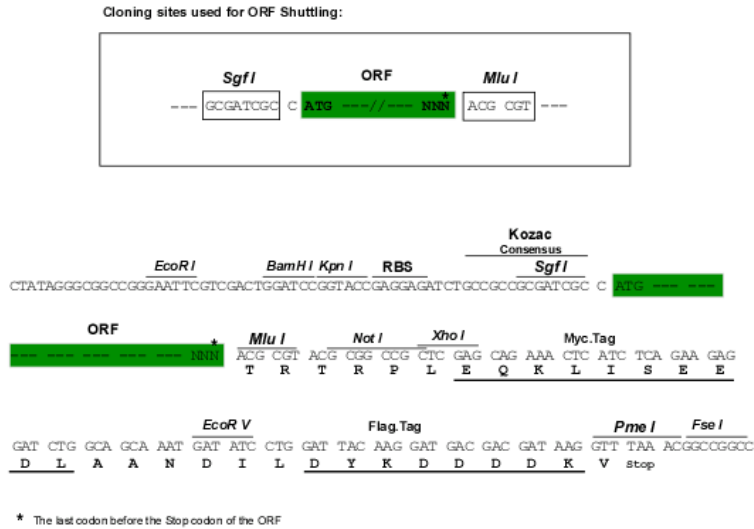
Protein Sequence: >RR205522 representing NM_012552
 Red=Cloning site Green=Tags(s)

MLRFLVFASLVLYGHSTQDFPETNARVVGGAEARRNSWPSQISLQYLSGGSWYHTCGGTLIRRNWVMTAA
 HCVSSQMTFRVVVDHNLSONDGEQYVSVQKIVVHPNWSNNVAAGYDIALLRLAQSRTLNNYVQLAVL
 PQEGTILANNPCYITGWGRTRTNGQLSOTLQQAYLPSVDYSICSSSSYWGSTVKTTMVCAGGDGVRSGC
 QGDSGGPLHCLVNGQYSVHGVTSFVSSMGCNVS RKPTVFTRVSAYISWMNNVIAYN

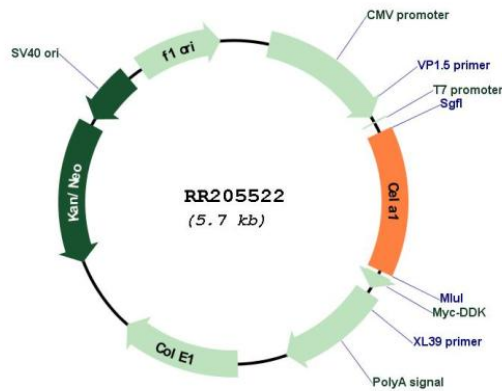
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012552
ORF Size: 798 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_012552.4 , NP_036684.1
RefSeq Size:	801 bp
RefSeq ORF:	801 bp
Locus ID:	24331
UniProt ID:	P00773
Cytogenetics:	7q36
MW:	29 kDa
Gene Summary:	catalyzes the hydrolysis of elastin and other proteins [RGD, Feb 2006]