

Product datasheet for **MR203520**

Elp6 (NM_001081381) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Elp6 (NM_001081381) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Elp6
Synonyms: 2610001P13Rik; 2610002I17Rik; AV159994; Tmem103
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR203520 representing NM_001081381
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTTCCGGAACCAACAACCTTCTCAGCACCACCCAGACAAGACCGAGCAGGGGACGCTGACTCTCC
TCTGTGACGCTAAGACAGATGGCAGCTTCCTTGTGCACCACTTCCTTTCTTCTACCTGAAAGCTAATTG
TAAAGTCTGCTTGTGGCACTTGTCCAGTCCTCAGCCATTACAATATTGTGGGACAGAACTGGGTGTC
AGCTTGACAGCGGCTCGGGACAGAGGGCAGCTTGTGTTCTGGAGGTCTCAAGTCCTCTGTGGAGGTCC
TCTTCCACTCTCAGGACGAGCCTCACCCCTGCAGTTTCTCAGGGAGGCTGGTACAGGAACTGCAGTC
ACTGTATACGTTTATTCAGGACACCCTGAAGCCTGCGGACAGTGAGGAGTCCCCATGGAAGTACCCAGTG
CTGTTGGTGGACAACCTCAGTGTGCTGCTGAGCCTGGGCGTGGGGCAGTCGCTGTGCTGGACTTCATGC
AGTACTGCAGAGCCACGGTGTGCTGCGAACTGAAGGAAACGTGGTAGCCCTTGTGCATGACACTGAGGG
CGCTACGGATGAGGGGAATGACACCCTGCTGAACGGCCTCAGCCATCAAAGCCACCTGATCCTGCGGGCT
GAGGGCCTGGCCACTGGATTCTGCAAGGACGTGCATGGGCAGCTGAGCATCCTCTGGCGGAGGCCGTCGC
GGTCCACAGCCCAGCGGGCTCAAAGTCTCACTTACCAATACAAGATACAGGACAAGAATGTGCTCTTTT
TGCCAAAGGAATGTCTCCTGCTGTTCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203520 representing NM_001081381
Red=Cloning site Green=Tags(s)

MFPELNLLSTTPDKTEQGLTLLCDAKTDGSFLVHHFLSFYLNCKVCFVALVQSFSHYNIIVGQKLGV
 SLTAARDRGLVFLEGLKSSVEVLFHSQDEPHLQLFLREAGTGNLQSLYTFIQDTLKPADSEESPWKYYPV
 LLVDNLSVLLSLGVGAVAVLDFMQYCRATVCCELKGNVVALVHDTEGATDEGNDTLLNGLSHQSHLILRA
 EGLATGFCKDVHGQLSILWRRPSRSTAQRAQSLTYQYKIQDKNVSFFAKGMSPAVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9042_g02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001081381

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:

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_001081381.1](#), [NP_001074850.1](#)

RefSeq Size: 2082 bp

RefSeq ORF: 801 bp

Locus ID: 72341

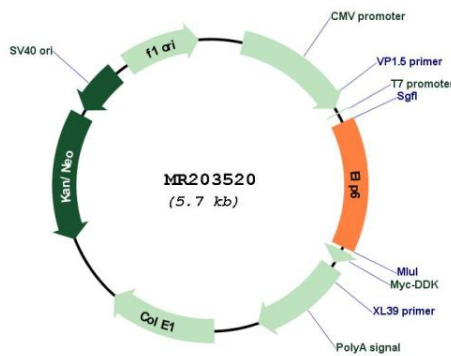
UniProt ID: [Q8BK75](#)

Cytogenetics: 9 F2

MW: 29.8 kDa

Gene Summary: Acts as subunit of the RNA polymerase II elongator complex, which is a histone acetyltransferase component of the RNA polymerase II (Pol II) holoenzyme and is involved in transcriptional elongation. Elongator may play a role in chromatin remodeling and is involved in acetylation of histones H3 and probably H4. Involved in cell migration.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203520