

Product datasheet for **RN215011**

Elp5 (NM_001001718) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Elp5 (NM_001001718) Rat Untagged Clone
Tag: Tag Free
Symbol: Elp5
Synonyms: DERP6; Rai12
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN215011 representing NM_001001718
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCCGCTCCTTAGTGGTGACGACATCAGAAGCGTCCTGAGGCGTCAGAGATGCTGGACTCGTTGT
TGGCCACCGGTGGTTTGGTGCTTCTTCGAGATTCGTTGGAGTGGGAGGGCGTGGTCTCCTGAAGGCTCT
TATCAAGAAATCTGCACTTCGTGGGAGCAAGTCCACGTTCTGGGCTGTGAGGTGAGTGAAGAAGAGTTT
CGCGAAGGTCTCGGCTCTGATGTCAACAGCCGCCAGTTTACCATGACCTCTTCAGAGACCTCTGAACT
GGTCACAACCTGGGAAGCTGCTCCTGAAGGACCTCTAAAAGCCTTGAGATCCATGTGCAGAAGGACAGA
CCGTGGCTCTGTACCATCGCCCTTGACTCTCTCAGCTGGCTGCTATGTCACATTCCTGTGTTACACTC
TGTCAAGCCCTACATGCTCTGAGCCAGCGAAATGTAGACCCAGGTGATAACCCCTGATAGAGCAGGTGC
GGTCCCTGGCCCTCCTGCATGAAGAGCTTCATGGTCTGGCCCGTGGGAGCAGTGAAGCAGCCTTGCTCA
CACAGAGGTGACTCTGAGTGGTAAAATGGACCAGACTTCAGCCTCCATCCTCTGTGCAAGCCCCAACAA
CGTGCAACTTACCAGACTTGGTGGTCTCCATTCTTCTGACTTCAGCCTGGATCTCCATGAAGGTCTTC
CCCTCCATTCTGAGTACACCGGGATCCTCACACAACCCAGGTGGATCCTGCCAGTCATTGACCTTTAA
CCTTCACTTATCCAAGAAAGAAAGAGAAGCCAAAGACAGCCTCACTCTGCCTTTCCAGTTCACTCTGAA
AAACAGCAAGCTCTGCTGCATCCAGTGCCAGGCCAGACACTGGCCGCATCTTCTACGAGCCAGATGCTT
TTGATGATGTGGACCAAGAAGACCCAGATGACGACCTAGATATT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001001718
Insert Size: 957 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001001718.1</u> , <u>NP_001001718.1</u>
RefSeq Size:	1397 bp
RefSeq ORF:	957 bp
Locus ID:	287446
UniProt ID:	<u>Q6IUP3</u>
Cytogenetics:	10q24
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. May be involved in TP53-mediated transcriptional regulation (By similarity).[UniProtKB/Swiss-Prot Function]