

Product datasheet for MR228254

Elp5 (NM_001253700) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Elp5 (NM_001253700) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Elp5
Synonyms: Derp6; Rai12
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228254 representing NM_001253700
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCAACAGCCGGTGATAACTCCCTAGTAGAGCAGGTGCGTGTCTGGGCCTCTACATGAAGAGCTTC
 ATGGCCCAGGCTCCATGGGAGCACTGAACACCCTTGCTCACACAGAGGTGACTCTGAGTGGTAAAGTGA
 CCAGACCTCAGCCTCCATCCTGTGCGAAGGCCCAACAACGTGCAACTTACCAGACTTGGTGGTTCTCC
 GTTCTTCTGACTTCAGCCTGACTCTCCATGAAGGGCTTCCCTCCGTTCTGAGCTACACCCGGATCATC
 ACACAACCCAGGTGGATCCCACTGCTCATTTGACCTTTAACCTTCACTTATCCAAGAAAGAAAGAGAAGC
 CAGAGACAGCCTCACTCTGCCTTTCCAGTTCAGCTCTGAAAAACAGAAAGCTCTGCTGCATCCGGTACCC
 AGCCGGACCACTGGCCACATCTTCTATGAGCCAGATGCTTTTGATGATGTGGACCCAGAAGACCCAGATG
 ATGACCTAGATATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228254 representing NM_001253700
 Red=Cloning site Green=Tags(s)

MSTAGDNSLVEQVRVLGLLHEELHGP GSMALNTLAHTEVTL SGKVDQTSASILCRRPQQRATYQTWWFS
 VLPDFSLTLHEGLPLRSELHPDHHTTQVDPTAHLTFNLHLSKKEREARDSLTLPQFSSEKQKALLHPVP
 SRTTGHIFYEPDAFDDVDPEDDDDLDI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


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Cloning Scheme:



ACCN: NM_001253700

ORF Size: 504 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001253700.1](#), [NP_001240629.1](#)

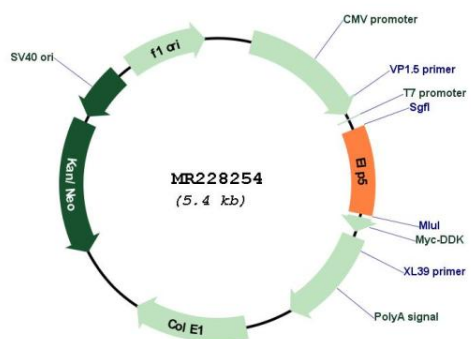
RefSeq Size: 969 bp

RefSeq ORF: 507 bp

Locus ID: 54351

Cytogenetics:	11 B3
MW:	19.3 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. May be involved in TP53-mediated transcriptional regulation. Involved in cell migration.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR228254