

Product datasheet for **MC207633**

Elob (NM_026305) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Elob (NM_026305) Mouse Untagged Clone
Tag: Tag Free
Symbol: Elob
Synonyms: 0610040H15Rik; Tceb2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207633 representing NM_026305
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGACGTGTTTCTCATGATCCGGCGCCACAAGACCACCATCTTTACGGACGCCAAGGAGTCGAGCACCG
TGTTCGAACTGAAGCGCATCGTCGAGGGCATCCTCAAGCGGCCGAGAGGAGCAGCGGCTTTACAAGGA
TGACCAGCTCCTTGATGATGGCAAACCTCTGGGCGAGTGTGGCTTCACTAGCCAGACAGCACGGCCACAG
GCCCCAGCCACAGTGGGCTGGCCTCCGAGCAGATGACACCTTCAAGCTCTCCGCATCGAGCCCTTTT
CCAGCCCTCCAGAGCTTCCAGATGTGATGAAGCCACAGGATTCTGGAGGCAGTGCCAATGAACAAGCTGT
GCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_026305
Insert Size: 357 bp
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:

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_026305.2](#), [NP_080581.1](#)

RefSeq Size: 508 bp

RefSeq ORF: 357 bp

Locus ID: 67673

UniProt ID: [P62869](#)

Cytogenetics: 17 A3.3

Gene Summary: SIII, also known as elongin, is a general transcription elongation factor that increases the RNA polymerase II transcription elongation past template-encoded arresting sites. Subunit A is transcriptionally active and its transcription activity is strongly enhanced by binding to the dimeric complex of the SIII regulatory subunits B and C (elongin BC complex) (By similarity). In embryonic stem cells, the elongin BC complex is recruited by EPOP to Polycomb group (PcG) target genes in order generate genomic region that display both active and repressive chromatin properties, an important feature of pluripotent stem cells (PubMed:27863225, PubMed:27863226).[UniProtKB/Swiss-Prot Function]