

## Product datasheet for MC210654

### Eloc (NM\_026456) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Eloc (NM_026456) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eloc
Synonyms:	2610043E24Rik; 2610301I15Rik; AA407206; AI987979; AW049146; Tceb1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210654 representing NM_026456 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGATGGAGAGGAGAAGACCTATGGTGGCTGTGAAGGCCCTGATGCTATGTATGTGAAATTAATATCTT  
 CTGATGGCCATGAATTTATTGTAAAAAGAGAACATGCACTAACATCAGGAACAATAAAGGCTATGTTGAG  
 TGGTCCAGGTGAGTTTGTGAGAATGAAACCAACGAGGTCAATTTAGAGAGATCCCTCAGATGTGCTA  
 TCAAAAGTGTGCATGTATTTACCTACAAGGTCCGCTATACTAACAGCTCCACTGAAATTCCTGAATTCC  
 CAATTGCACCTGAAATTGCACTGGAAGTCTGATGGCTGCAAACTTCCTAGATTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_026456
Insert Size:	339 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).


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<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u><a href="#">NM_026456.4</a></u> , <u><a href="#">NP_080732.1</a></u>
<b>RefSeq Size:</b>	968 bp
<b>RefSeq ORF:</b>	339 bp
<b>Locus ID:</b>	67923
<b>UniProt ID:</b>	<u><a href="#">P83940</a></u>
<b>Cytogenetics:</b>	1 A3
<b>Gene Summary:</b>	<p>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 EPOX 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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>