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Product datasheet for MR221563

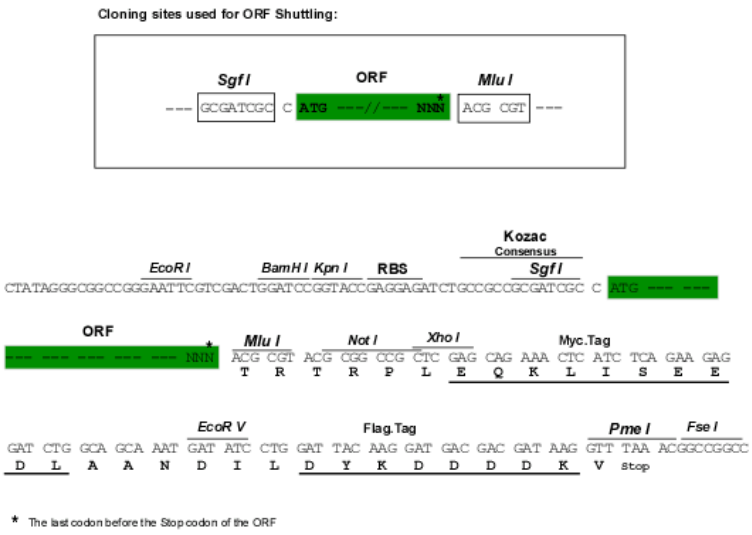
Eloc (NM_026456) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eloc (NM_026456) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eloc
Synonyms:	2610043E24Rik; 2610301I15Rik; AA407206; AI987979; AW049146; Tceb1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221563 representing NM_026456 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGATGGAGAGGAGAAGACCTATGGTGGCTGTGAAGGCCCTGATGCTATGTATGTGAAATTAATATCTT CTGATGGCCATGAATTTATTGTAAAAAGAGAACATGCACTAACATCAGGAACAATAAAGGCTATGTTGAG TGGTCCAGGTCAGTTTGCTGAGAATGAAACCAACGAGGTCAATTTTAGAGAGATCCCCTCACATGTGCTA TCAAAAGTGTGCATGTATTTTACCTACAAGGTCCGCTATACTAACAGCTCCACTGAAATTCCTGAATTCC CAATTGCACCTGAAATTGCACTGGAACTGCTGATGGCTGCAAACTTCCTAGATTGT ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Chromatograms:	https://cdn.origene.com/chromatograms/mm9051_f04.zip
Restriction Sites:	SgfI-MluI

View online »

Cloning Scheme:



ACCN: NM_026456

ORF Size: 336 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.

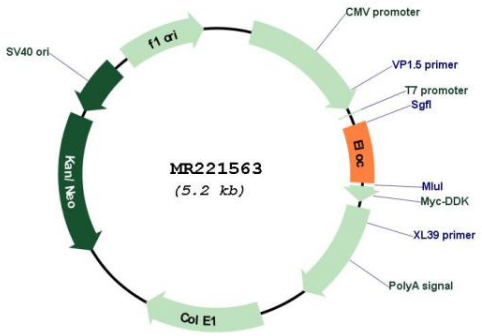
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_026456.4, NP_080732.1
RefSeq Size:	968 bp
RefSeq ORF:	339 bp
Locus ID:	67923
UniProt ID:	P83940
Cytogenetics:	1 A3
MW:	12.9 kDa
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]

Product images:



Circular map for MR221563