

Protein Sequence: >MR224393 representing NM_027323
 Red=Cloning site Green=Tags(s)

MAAAALEPWSAVAPRRRKRAAGRRPRPGEGPRAEPEADGEAVLRRRLREAEEDLRISDFCSSALETITECL
 RKQLEQLQPLTEALGRLHLGSSLPASQEPCLASSASHVKVCVYGLGTFASCPTARIQLAFMLLFLEKCQV
 PRSHCWVYDPLFSQTEVSVLTSLGVTVLSENEKGKRSVQGOPTVFYMPHCGTALYNNLLWSNWSADALSR
 VLIIGNSFRLGLEERLLARILQENYPYIAKVSDRIAGPGF

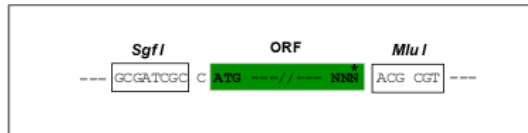
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9090_d01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_027323

ORF Size: 747 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_027323.2](#), [NP_081599.2](#)

RefSeq Size: 1134 bp

RefSeq ORF: 750 bp

Locus ID: 70118

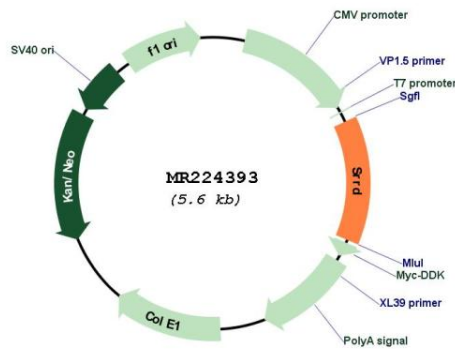
UniProt ID: [Q8K2M3](#)

Cytogenetics: 5 F

MW: 27.5 kDa

Gene Summary: Plays a role in the regulation of heme biosynthesis and in the regulation of the expression of core clock genes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224393