

Protein Sequence: >MR229940 representing NM_001285519
 Red=Cloning site Green=Tags(s)

MSSPTSSLDTVPVPGNGSPQPSTSATSPTIKEEGQETDPPPGSEGSSSAYIVEPEDEPERKRKKGPAKML
 GHELCRVCGDKASGFHYNVLSCEGCKGFFRRSVVHGGAGRYACRGSQTQMDAFMRRKCQLCRLRKCKEA
 GMREQCVLSEEQIRKKRIQKQQQQPPPPSEPAASSSGRPAASPGTSEASSQSGEGEGLTAAQELMI
 QQLVAAQLQCNRKRSFSDQPKVTPWPLGADPQSRDARQRF AHFT ELAII SVQEIVDFAKQVPGFLQLGRE
 DQIALLKASTIEIMLLETARRYNHETECITFLKDFTYSKDDFHRAGLQVEFINPIFEFSRAMRRLGLDDA
 EYALLIAINIFSA DRPNVQEPSRVEALQQPYVEALLSYTRIKRPQDQLRFRPMLMKLVSLRTLSSVHSEQ
 VFALRLQDKKLPPLLSEIWDVHE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

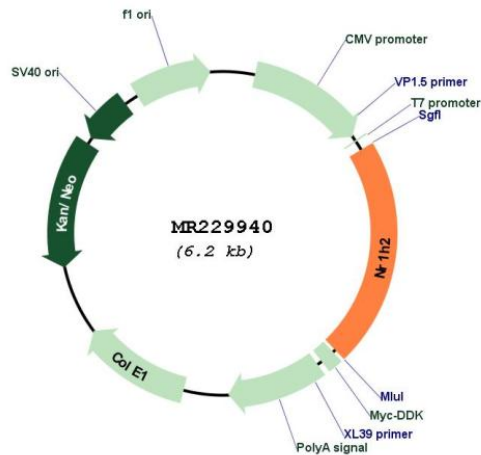
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_001285519

ORF Size:	1329 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:	<ol style="list-style-type: none">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_001285519.1 , NP_001272448.1
RefSeq Size:	2013 bp
RefSeq ORF:	1332 bp
Locus ID:	22260
UniProt ID:	Q60644
Cytogenetics:	7 B3
MW:	49.8 kDa
Gene Summary:	Nuclear receptor that exhibits a ligand-dependent transcriptional activation activity (PubMed:18055760, PubMed:19520913, PubMed:20427281). Binds preferentially to double-stranded oligonucleotide direct repeats having the consensus half-site sequence 5'-AGGTCA-3' and 4-nt spacing (DR-4) (PubMed:18055760, PubMed:19520913, PubMed:20427281). Regulates cholesterol uptake through MYLIP-dependent ubiquitination of LDLR, VLDLR and LRP8; DLDLR and LRP8 (PubMed:18055760, PubMed:19520913, PubMed:20427281). Interplays functionally with RORA for the regulation of genes involved in liver metabolism (PubMed:18055760, PubMed:19520913, PubMed:20427281). Plays an anti-inflammatory role during the hepatic acute phase response by acting as a corepressor: inhibits the hepatic acute phase response by preventing dissociation of the N-Cor corepressor complex (By similarity).[UniProtKB/Swiss-Prot Function]