

Protein Sequence: >MR229828 representing NM_001271631
 Red=Cloning site Green=Tags(s)

MRIPVDPSTSRRFSPSSSLQPGKMSDVSPVVAQQQQQQQQQQQQQQQQQQQQQQQQQQQEEAAAAA
 AAAAAAAAAAAVPLRPPHDNRTMVEIIADHPAELVRTDSPNFLCSVLP SHWRCNKLPVAFKVALGE
 VPDGTVVTVMAGNDENYSaelRNASAVMKNQVARFNdlRFVGRSGRDPRAQSSPPWSYDQSYPSYLSQM
 TSPSIHSTTPLSSTRGTGLPAITDVPRRISDDDTATSDfCLWPSSLskksQAGASELGPfSDPRQFPsIS
 SLTESRFsnPRMHYPATfTYTPPVtSGMSLGMSATThyHTYLPPYPGSSQSQSGPFQTSSTPYLYYGTS
 SASyQFMVPGGDRSPSRMVPpCTTtSNGStLLNPnLPnQNDGVDADGSHSSSPTVLNssGRmDESvWRP
 Y

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

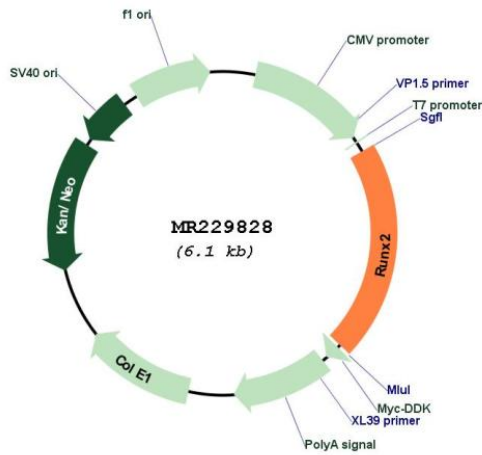
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001271631

ORF Size:	1263 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_001271631.1 , NP_001258560.1
RefSeq Size:	5724 bp
RefSeq ORF:	1266 bp
Locus ID:	12393
Cytogenetics:	17 21.33 cM
MW:	46 kDa
Gene Summary:	This gene encodes a member of the runt domain-containing family of transcription factors. This protein is essential for osteoblastic differentiation and skeletal morphogenesis and acts as a scaffold for nucleic acids and regulatory factors involved in skeletal gene expression. The protein can bind DNA both as a monomer or, with more affinity, as a subunit of a heterodimeric complex. Transcript variants that encode different protein isoforms result from the use of alternate promoters as well as alternate splicing. [provided by RefSeq, Sep 2015]