

Product datasheet for **MG216192**

Kazald1 (NM_178929) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Kazald1
Synonyms:	A1842353; Bono1; IGFBP-rP10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216192 representing NM_178929
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCGAGTGTTACAGGGCTTCCAGCTAACTATGCTGCACCTACCTGGCGCTGTCTTGTACTACTAC
CATTATTGCTGGTGGTGTGGACCCAGCTACCCGTTAGCGCGAGGCCGTCCACAGGCCCGGATTACCTGCG
GCGAGGCTGGCTGCGGCTGCTAGCCGAGGGCGAGGGTTGTGCTCCCTGCCGGCCAGAAGAGTGCGCTGCC
CCGCGGGGATGCC TAGCAGGCCGGTGC GGATGCGT GCGGCTGCTGCTGGGAATGCGCAAACCTGGAGG
GCCAGCTCTGCGATCTGGACCCAGCGCTAACTTCTACGGGCGCTGCGGCGAGCAGCTCGAGTGCAGGCT
GGACGCGGGCGGTGACCTGAGTCGAGGAGAGGTGCCGGAGCCGCTGTGTCTGCCGCTCGCAGCGCCCG
CTCTGTGGTTCGGACGGCCGAACCTACGCGCAGATCTGTGCTGCAGGAGGCCCGCCGCGCTCGGCTGG
ACGCTAACCTCACTGTGGTGCATCCGGGGCCCTGCGAATCGGAGCCCGAGATCCTGTGCGAGCCTCACAA
TATTTGGAATGTGACCCGACAGGATGTGATCTTTGGCTGTGAGGTTTTGCCTACCCATGGCCTCGATT
GAGTGGAGGAAAGATGGCTTGACATCCAGCTGCCGGGGATGACCCTCATATCTGTGCGAGTTTAGGG
GTGGACCTCAGAAGTTTGGGTGACTGGCTGGCTACAGATTCAAGCTTTGCGCCCTAGTGATGAGGGCAC
CTACCGTTGCCTTGCCCGGAATGCTCTGGCCAAAGCGGAAGCTTCTGCAACCCCTCACAGTGTCTCACCCA
GAGCAGCTGAACGCCACGGGATTCTCCAGCTGCAATCACGGAGTTGTTTCTGAGGAGGAGGAGGAGG
CAGAAAGTGAAGAGTTGGGCGATTACTAC

ACCGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG216192 representing NM_178929
Red=Cloning site Green=Tags(s)

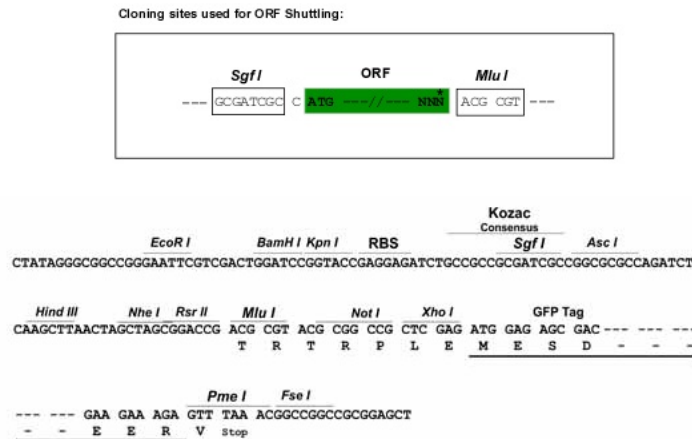
MPRVFTGLPANYAAPTLLALSLLLPLLLVVWTQLPVSARPSTGPDYLRRGWLRLLAEGEGCAPCRPEECAA
 PRGCLAGRVRDACGCCWECANLEGLCDLDPANFYGRGCEQLECRLDAGGDLSRGEVPEPLCVCRSQRP
 LCGSDGRTYAQICRLQEAARARLDANLTVVHPGPCESEPQILSQPHNIWNVGTQDVIFGCEVFAYPMASI
 EWRKDGLDIQLPGDDPHISVQFRGGPQKFEVTGWLQIQALRPSDEGTYRCLARNALGQAEASATLTVLTP
 EQLNATGFSQLQSRSLFPEEEEEAESEELGDYY

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1824_e05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

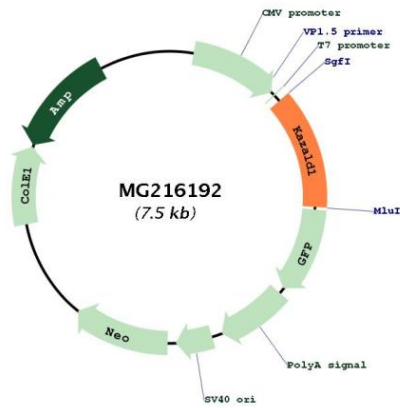


ACCN: NM_178929

ORF Size: 939 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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.
Note:	<p>Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.</p>
RefSeq:	NM_178929.5
RefSeq Size:	1383 bp
RefSeq ORF:	942 bp
Locus ID:	107250
UniProt ID:	Q8BJ66
Cytogenetics:	19 C3
Gene Summary:	<p>Involved in the proliferation of osteoblasts during bone formation and bone regeneration. Promotes matrix assembly.[UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for MG216192