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Product datasheet for RR216725

Ero1b (NM_001191893) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ero1b (NM_001191893) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ero1b
Synonyms:	Ero1lb; RGD1563548
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

ORF Nucleotide Sequence:

>RR216725 representing NM_001191893
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCCCGGGGTTTCTCCGGGCCGTTGCTGGGCAGGGGGCGGCGGCCGCGGTGCAACTGCTTGTCACCC
TTGGCTTCCTCTCAAGTCTCGTCAAGACCCAGGTGACTGGAGTTCTGGATGATTGCTTATGTGACATTGA
CAGCATTGATAACTTCAACACCTACAAAATCTTTCCCAAAATAAAAAAGTTACAAGAACGAGACTATTTT
CGTTATTACAAGGTTAATCTGAAACGACCATGTCCTTTCTGGGCAGAAGATGGCCACTGCTCAATAAAAG
ACTGTCATGTGGAGCCCTGTCCAGAAAGTAAAATTCCCGTTGGAATTAAAGCTGGGCGTTCAAATAAGTA
CTCACAAGCAGCAAACAACACCAAAGAACTGGACGACTGTGAGCAGGCTAACAAGCTGGGCGCCATCAAC
AGCACCCTAAGTAACGAAAGCAAAGAAGCATTCATTGACTGGGCAAGATATGATGATTCACAGGATCACT
TTTGTGAACTTGATGATGAGCGATCTCCTGCTGCACAGTATGTGGACCTGCTGCTGAACCCGGAACGGTA
CACTGGCTACAAGGGCTCCTCAGCGTGGAGGGTGTGGAACAGCATTTATGAAGAAAACTGCTTCAAGCCT
CGATCTGTTTATCGCCCTTTGAATCCTCTGGCGCCCAGCAGAGGGGAAGATAATGGAGAATCATTCTATA
CGTGGCTAGAAGGTTTGTGTCTTGAGAAAAGAGTCTTCTATAAGCTTATATCAGGACTTCATGCCAGCAT
CAATTTACATCTGTGTGCAAATTATCTTCTGGAAGAAACCTGGGGTAAACCTAGTTGGGGACCTAACATC
AAAGAATTTAAACGCCGCTTTGACACTGTGGAAACAAAGGGGGAAGGTCCAAGAAGGCTAAAGAATCTAT
ACTTTTTATACTTGATAGAGCTTCGTGCTTTGTCAAAGGTGGCCCCTTATTTTGAGCGCTCAATTGTTGA
TCTTTACACTGGCAACCTAGAAGATGATGCTGACACCAAGACCCTTCTGCTCAGCATCTTTCAGGATACA
AAGTCCTTTCCTATGCACTTCGATGAAAAATCCATGTTTGCAGGTGACAAAAAGGGGGCCAAGTCATTAA
AGAAAGACTTTACCAAACTTTATGGGAGAAGTTTTACTAAACTGCTGGATACTCAGGAGAGTAAGGACAG
TTTTACTCAGGGTTTAGGAACTGCTTTGAAGATACTATTCTCTGAAAAAGAAATCCAAAAACTTCCGGAG
AACAGTCCATCTAAAGGCTTCCAGCTCACTCGGCAGGAAATAGTTGCTCTTTTAAATGCTTTTGGAAGAC
TTTCTACAAGCATAAGAGAATTACAGAACTTTAAAGCATTGTTGCAGCACAGGAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

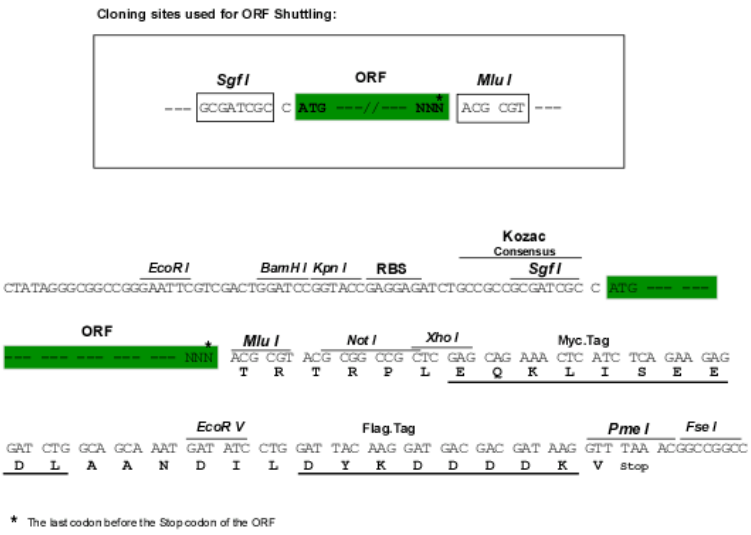
>RR216725 representing NM_001191893
Red=Cloning site Green=Tags(s)

MSPGFLRAVAGQGAAAAVQLLVTLGFLSSLVKTQVTGVLDDCLCDIDSIDNFNTYKIFPKIKKLQERDYF
RYYKVNLKRPCPFWAEDGHCSIKDCHVEPCPESKIPVGIKAGRSNKYSQAANNTKELDDCEQANKLGAIN
STLSNESKEAFIDWARYDDSQDHFCELDDERSPAAQYVDLLLNPERYTGYKGSSAWRVWNSIYEENCFKP
RSVYRPLNPLAPSRGEDNGESFYTWLEGLCLEKRVFYKLISGLHASINLHLCANYLLEETWGKPSWGPNI
KEFKRRFDTVETKGEGPRRLKNLYFLYLIELRALSKVAPYFERSIVDLYTGNLEDDADTKTLLLSIFQDT
KSFPMHFDEKSMFAGDKKGAKSLKKDFTKLYGRSFTKLLDTQESKDSFTQGLGTALKILFSEKEIQKLPE
NSPSKGFQLTRQEIVALLNAFGRLSTSIRELQNFKALLQHRR

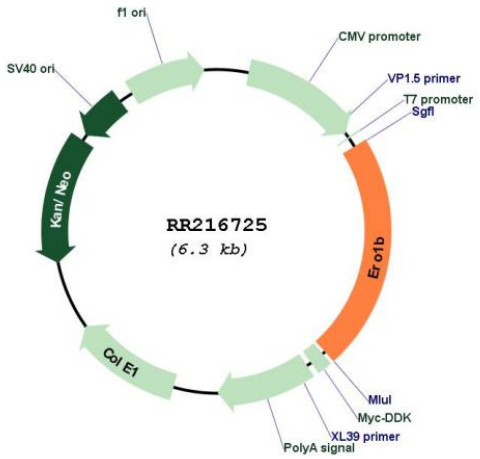
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001191893

ORF Size: 1386 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_001191893.1, NP_001178822.1
RefSeq Size:	1389 bp
RefSeq ORF:	1389 bp
Locus ID:	364755
Cytogenetics:	17q12.3
MW:	52.8 kDa