

Product datasheet for RN216380

Epm2a (NM_001276762) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Epm2a (NM_001276762) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Epm2a
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >RN216380 representing NM_001276762
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCTCCGCTTCGGCGTGGTGGTGCCGCCCGCGGTGGCCGGCACTCGGCTGGAGCTGCTGCTCGCAG
 GATCGCGGCCCGAGTTGGGGCGCTGGGAGCCGCGCGGCCGCTGCGTCTCAGGCCGGCGGGTACCGCGGC
 GGGCGCGGCCCGCTGGCATTGCAGGAGCCTGGCCTGTGGCTCGCTGAGGTGGAGCTGGCTCCGGAGGAG
 GAGGCGGCCGATGGGGCGAGCCGGGCCGTATTGACACGTTCTGGTACAAGTTCCTGCAGCGGAGCCGG
 GAGGCGAGCTGCACTGGGAAGGAAATGGACCTCACCATGACCGTGTGCTGCACATATAATGAAAACAATT
 GGTGGATGGTGTATTATTGTCTCCAGTAGGACACTGGATTGAGGCCACTGGGCACACCAACGAAATGAAG
 CACACCACAGACTTCTATTTAATATTGCAGGCCACCAAGCCATGCATTATTCAAGAATTCTACCAATA
 TCTGGTTGGTAGCTGCCCTCGACAACCTGGAGCATGTGACCATCAAAGCATGAAGTGGAAATTAC
 GGCTGTGCATGAATTTCCAGACTGAATGGGATATCATCCAGAATTTCCAGGCTGCAACCGCTACCCGGAA
 CCCATGACTCCAGACACCATGATGAAGCTGTATAAGGAAGAAGGCTTGGCCTATATCTGGATGCCTACTC
 CAGACATGAGCACTGAGGCGCGGTGCAGATGCTGCCACAGGCTGTGTCTCCTGCACGCGTCTTGGA
 GAACGGACACACGGTGTATGTCCACTGCAACGCTGGCGTGGGCCGCTCCACTGCTGCGGTATGCGGCTGG
 CTCCACTACGTGATCGGCTGGAGTCTGCGCAAGGTGCAGTACTTCATCATGGCCAAGAGGCTGCGGTCT
 ATATCGCAAGAAGCTTTGGCCAAGCAACAAGACTTTTTTCAGAAGTTCGGGAAGGTTCACTCTTC
 CATATGCACTTTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
 ACCN: NM_001276762



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Insert Size:	996 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001276762.1</u> , <u>NP_001263691.1</u>
RefSeq Size:	1143 bp
RefSeq ORF:	996 bp
Locus ID:	114005
UniProt ID:	<u>Q91XQ2</u>
Cytogenetics:	1p13
Gene Summary:	encodes a dual-specificity phosphatase (DSP) named laforin [RGD, Feb 2006]