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Product datasheet for MC224121

Enam (NM_017468) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Enam (NM_017468) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Enam
Synonyms:	abte
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC224121 representing NM_017468
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTGCTGCTTCAGTGCAGAAATCCGACTTCTCCTCCAAAGCCATGTGGCCTGGTACCAAATGTAAAGA
TGAGTCTCCTTGTTTTCCTGGGTCTGCTTGGTGTCTCTGCTGCCATGCCATTCCAGATGCCAATGCCCCG
AATGCCTGGATTTAGCAGTAAAAGTGAAGAGATGATGCGATATAATCAATTCAACTTCATGAATGCCCCA
CCAATGATGCCTATGGGCCCATATGGAAATGGTATGCCAATGCCGCCACACATGCCTCCACAGTACCCTC
CATACCAGATGCCCATGTGGCCTCCACCAGTACCCAATGGATGGCAGCAACCCCCAATGCCCAATTTCCC
AAGCAAGACTGATCAAACCCAGGAGACCGCCAAACCCAACCAGACCAATCCACAAGAGCCACAGCCACAA
AAGCAGCCTTTAAAGGAACCACCAAATGAAGCAGCACGGGCCAAAGATGACGCCCAGCCACCTCAGCCAT
TCCCACCATTTGGCAATGGACTTTACCCCTATCCACAACCACCATGGCCAATTCCACAGAGGGGACCACC
AACAGCGTTTGGACGGCCAAAGTTCAGCAATGAAGAAGGAAATCCTTACTATGCATTTTTTGGATATCAC
GGCTTTGGGGGTCGTCCTTATTACTCAGAAGAGATGTTTGAAGATTATGAAAAACCCAAAGAAAAAGACC
CTCCTAAACCAGAGGACCCACCTCCAGATGACCCACCCCCAGAGGCCTCTACAAACTCAACTGTGCCTGA
TGCTAATGCCACTCAATCAATTCCTGAAGGCGGAAATGACACTAGCCCAATAGGAAACACAGGCCCTGGG
CCGAACGCTGGGAACAATCCTACAGTTCAAAACGGTGTCTTCCCTCCCCCTAAAGTTAATGTTTCAGGCC
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AAATTATCCTTCAGAAAGACAATGGCAAACCACTGGTACCCAGGGGCCTAGACAGAATGGACCTGGCTAC
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CAGGAAACCCAACTTACGGTAAACCTCCCTCTCCTACCTCCGGGGTTAATTATGCAGGAAATCCAGTCCA
TTTCGGAAGAAACCTGCCAGGGCCAAATAAACCCTTTGTGGGAGCCAATCCGGCCTCAAATAAACCCTTT
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CAATCCGGCCTCAAACAAACCCTTTATAGGAGCCAATCCGGCTGCAAACAAACCATCTATAGGAACCAAT
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CCAGCCGCAAACAAACCATCTATAGGAACCAATCCAGCTGCAAATAAACCCTTTGTGAGAAACAATGTAG
GTGCAAATAAACCCTTTGTGGGAACCAATCCCTCCTCAAACCAACCATTTCTGAGAAGCAATCAGGCCTC
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GGTCCTAAACAGGTCACTGTTAGCCACAATATGAAAACTCAAAATCCAAAAGAAAAGTCACTAGGTCAAA
AAGAAAGAACAGTCACTCCTACCAAAGATGCAAGCAACCCCTGGAGAAGTGCTAAACAATATGGAATTAA
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AGAATTTGCCCAAAGGAATTGCTTTAGAGCCAAGAAGAACCCCATTTCAATCAGAAACTAAAAAACCTGA
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AAAATTTACGTCATCCGTCCTATGGCTCTAGAGGAAATATTTTTTACCATGAATATACCAATCCTTATCA
TAATGAAAAATCACAGTACATTAAAAGCAATCCATGGGATAAGAGCTCTCCCAGTACTATGATGCGGCCA
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TAATGCCATAGGACAAGAAGAAAGCACTCTCTTTCCTTCATGGACCTCCTGGGACCACAGGAATCAAGCT
GAGAGGCAGAAAGAGAGTGAGCCATATTTTAACAGAAATGTCTGGGATCAGTCAATAAATTTACACAAAT
CTAATATACCAAACCATCCTTATTCCACTACATCCCCTGCTAGATTTCCAAAAGATCCAACATGGTTTGA
AGGTGAGAATTTGAACTATGATTTGCAAATTACTAGTTTAAGTCCACCAGAAAGAGAACAGTTGGCTTTC
CCAGACTTCCTGCCTCAAAGTTACCCAACAGGTCAAAATGAAGCACACTTATTTCACCAAAGTCAAAGAG
GGTCTTGCTGTATTGGTGGCTCCACAGGACATAAAGACAATGTGCTGGCTCTACAAGACTACACTTCATC
CTATGGTCTTCCACCAAGGAAGAACCAAGAAACCAGTCCAGTGCATACAGAAAGCAGTTATATCAAGTAT
GCAAGACCTAACGTTTCCCCAGCAAGCATCCTACCTAGTCAAAGAAATATCTCAGAGAACAAACTAACTG
CAGAAAGCCCAAACCCAAGTCCATTTGGAGATGGTGTGCCTACTGTGAGGAAAAATACTCCATATTCTGG
AAAGAATCAACTAGAGACAGGAATTGTGGCCTTTTCTGAAGCCAGCTCTTCTCAGCCAAAAAACACGCCC
TGTCTTAAAAGTGACCTTGGAGGAGATCGGAGGGATGTTCTGAAACAATTTTTTGAAGGCAGCCAGCTGA
GTGAAAGAACTGCTGGCCTTACTCCTGAGCAGCTCGTCATTGGTATTCCTGATAAAGGCTCTGGCCCAGA
TAGCATACAAAGTGAAGTCCAAGGAAAAGAGGGTGAGATGCAGCAACAAAGGCCACCTACCATCATGAAG
TTGCCATGCTTTGGCTCCAATTCAAAATTTCACTCTTCTACCACTGGACCTCCAATTAACAACAGAAGAC
CAACCCTACTTAATGGTGCTCTCTCCACACCCACTGAAAGTCCTAACACATTGGTTGGGTTAGCTACTAG
GGAACAACTTAAAAGTATAAACGTAGATAAACTTAATGCAGATGAACACACTACACTCGAATCTTTTCAA
GGAACCAGTCCACAGGACCAAGGCTGCTTACTGCTTCAGGCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_017468

Insert Size: 3825 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).

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).

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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_017468.3, NP_059496.1
RefSeq Size:	5490 bp
RefSeq ORF:	3825 bp
Locus ID:	13801
UniProt ID:	O55196
Cytogenetics:	5 E1
Gene Summary:	Involved in the mineralization and structural organization of enamel. Involved in the extension of enamel during the secretory stage of dental enamel formation.[UniProtKB/Swiss-Prot Function]

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