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Product datasheet for RR203020

Ece2 (NM_001002815) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ece2 (NM_001002815) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ece2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RR203020 representing NM_001002815
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACGTCGCGCTGCAGGAGCTGGGTAGCGGAGGCAGTATGGTGGAGTACAAACGAGCTAAGCTTCAGG
ATGAAGAATTACCAGAGGTGACAGTAGAAGGCAGGGCCATCCAGGACTCACTGGAGGTGGGATCCCAGAA
GAGGACAAGACAACTCTTTGGCTCACACACACAGTTGGAGCTGGTCTTGGCAGGCCTCATTCTAGTGTTG
GCTGCCCTTCTTTTGGGCTGCCTCGTGGCTCTGTGGGTCCAGTACCACAGAGACCCAGTCCACAGCACCT
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CTGTCTATGTCGGTGCTGATTCGAAGAGTTCTAACAGCAACATCATCCAGGTGGACCAGTCTGGGCTTTT
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CTTCGGCTGCCCTGTCGGCTCCCCCATGAACCCAGGGCAGCTATGTGAGGTGTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

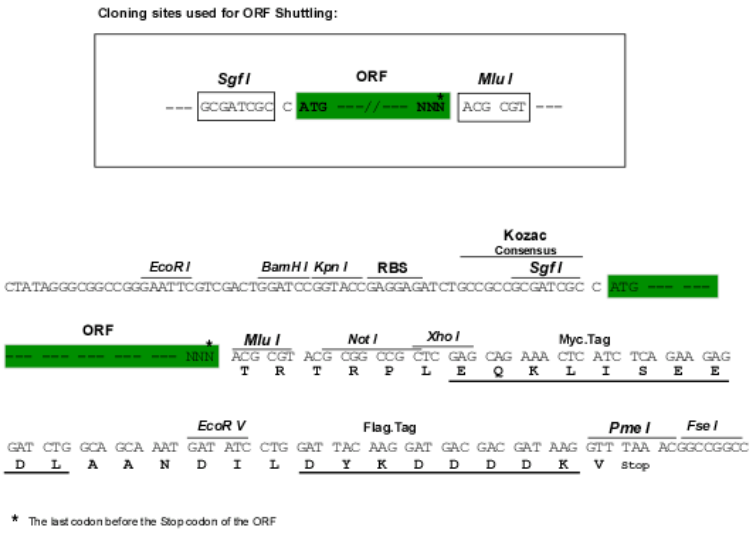
>RR203020 representing NM_001002815
Red=Cloning site Green=Tags(s)

MNVALQELGSGGSMVEYKRAKLQDEELPEVTVEGRAIQDSLEVGSQKRTRQLFGSHTQLELVLAGLILVL
AALLLGCLVALWVQYHRDPVHSTCITEACIRVAGKILESLDRGVSPCQDFYQFSCGGWIRRNPLPSGRSR
WNTFNSLWDQNQAILKHLLENSTFNSSSEAERKTRSFYLSCLHLERIEKLGAKPLQDLIDKIGGWNITGP
WDEDNFMEVLKAVAGTYRAAPFFTVYVGADSKSSNSNIIQVDQSGLFLPSRDYYLNRTANEKVLAAYLDY
MVELGMLLGGQPTSTRAQMQQVLELEIQLATITVPQDQRRDEEKIYHKMSISELQTLAPSMDWLEFLSFL
LSPLELGDSEPVVVYGTEYLQQVSELINRTEPSILNNYLIWNLVQKTTSSLDQRFETAQEKLLETLYGTK
KSCTPRWQTCISNTDDALGFALGSLFVKATFDRQSKEIAEGMISEIRAAFEETLENLVWMDEKTRLAAKE
KADAIYDMIGFPDFILEPRELDDVYDGYEVSEDSFFQNMLNLYNFSAKVMADQLRKPPSRDQWSMTPQTV
NAYYLPTKNEIVFPAGILQAPFYAHNHPKALNFGGIGVVMGHELTHAFDDQGREYDQEGNLRPWWQNESL
TAFQNHTACMEEQYNQYQVNGERLNGLQTLGENIADNGGLKAAYNAYKAWLRKHGEEQPLPAVGLTNHQL
FFVGFAQVWCSVRTPESSHEGLVTDPHSPARFRVLGTLSNSRDFLRHFGCPVGSPMNPGQLCEVW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001002815

ORF Size: 2295 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_001002815.2, NP_001002815.2

RefSeq Size: 3010 bp

RefSeq ORF: 2298 bp

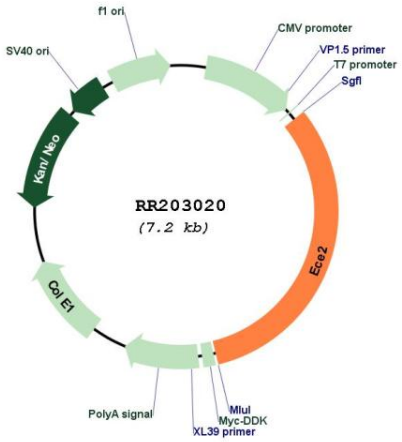
Locus ID: 408243

Cytogenetics: 11q23

MW: 86.5 kDa

Gene Summary: metalloprotease type II enzyme; catalyzes functionally active forms of the endothelin vasoactive peptide family [RGD, Feb 2006]

Product images:



Circular map for RR203020