

Product datasheet for **RR209510**

Eqtn (NM_001039345) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eqtn (NM_001039345) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eqtn
Synonyms:	Afaf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR209510 representing NM_001039345 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATTTTATACTGTTGATCTTTTATCTGGAGTTTTCTCCCGAACATTTTCAGTCTACAGCCCACTG
 TGGAACAGGGTCCTGGTGTGACGATTTTCAGATGATCAGTATTATGATGAGGAAGAAAATAACAGATGA
 GAATTCTGCTATTTTCCAAAAATTAGAAGATAATGGAGGTGATACTCCTGCCAATGAGAAAACCTGGCAAT
 TACTATAAAGACATAAAGCAATATGTGTTCACTACACCAGATTCAAAAGGCACGAAAACCTGAAGTGTCTG
 TGACAGCCCAACTGACCTGAAGTTTACTATGAAGGACTATAAATCCAGCAAAGCAACTGCCAGTGGAGA
 AGAAGATAAACGTAGTGAAACCTCTCGTAAAAGCTCAACCCCAATGTGCCTGCATTCTGGACAATGTTA
 GCGAAAGCTATAAATGAAACAGCAGTGAGCATGGATGATAAAGATCTATTTTATCAAGCAATTCAGCCT
 CTGATTTAAATAGTACCAATGAAGACCAGCTGTCAGAGCTAGAGGAAATCAAGCTCAAATTAATGCTGGG
 AATCTCACTGATGACACTTATTCTTAATTCCTCTTGATATTCTGTTTGGCACACTGTACAAATTG
 AGACACCTACGCGACAAAACCTGTGAGAGCCAATACTCCGTCAACCCAGAGCTGGCAACTCTGTCTTACT
 TCCATCCATCAGAAGGCTCTAATCAAACAGTCTTAACCGAAGAGTCAAGCTTCTTCTCCTGAGGAGTC
 GGGTAAGTGTCATCATTGAAAGTAACACAGTGAATGAGGCTGAAGTCACGGAAGAAAGAATCTCTGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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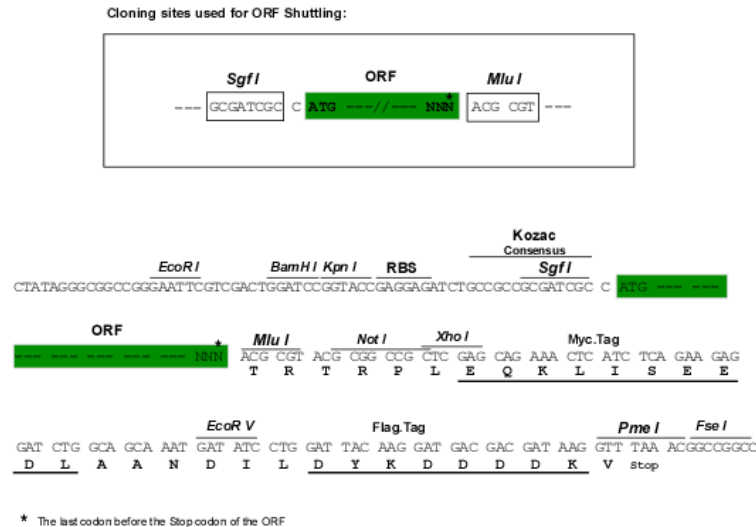
Protein Sequence: >RR209510 representing NM_001039345
 Red=Cloning site Green=Tags(s)

MDFILLIFLSGVFLPNIFSLQPTVEQPGVTISDDQYYDEEENNTDENSEAIFQKLEDNGGDTPANCKETGN
 YYKDIKQYVFTTPDSKGTKEVSVTATTDLKFTMKDYKSSKATASGEEDKRSEPSRKSSSTPNVPAFWTML
 AKAINETAVSMDDKDLFYQAIPASDLNSTNEDQLSELEEIKLKLMLGISLMTLILLIPLLIFCFATLYKL
 RHLRDKTCESQYSYNPELATLSYFHPSEGSNQTVLTEESSFLPPEESGKVVIIESNTVNAEAIVTEERISE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001039345

ORF Size: 840 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_001039345.1](#), [NP_001034434.1](#)

RefSeq Size: 1051 bp

RefSeq ORF: 843 bp

Locus ID: 500502

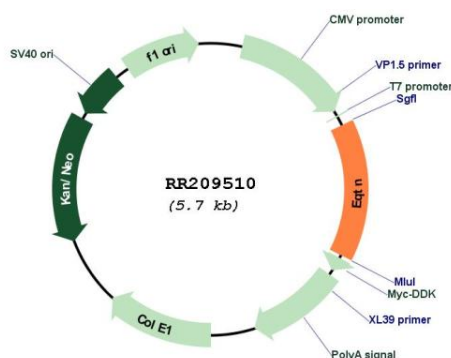
UniProt ID: [Q2LCV6](#)

Cytogenetics: 5q33

MW: 31.3 kDa

Gene Summary: Acrosomal membrane-anchored protein involved in the process of fertilization and in acrosome biogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR209510