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AGGATAATCCAGGCACATGGCGGCACTGTTGACCCACCTTCAGAGTCGATGCACGCACCTTCTCTGTG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC215446 representing NM_007349

Red=Cloning site Green=Tags(s)

MSDQAPKVPPEMFREVKYAVGIDPQVIQLLKAGKAKEVSYNALASHIISEDGDNPEVGEAREVFDLPV
VKPSWVILSVQCGTLLPVNGFSPESCQIFFGITACLQVSSSEDRSALWALVTFYGGDCQLTLNKKCTHLI
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PGGKPCSQHIIISVTGFVSDRDDLKLMAYLAGAKYTGylCRSNTVLICKEPTGLKYEKAKEWRIPCVNAQ
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TVKFLTAISVVKHIVTPEWLEECFRQKFIDEQNYILRDAEAEVLFSFLEESLKRHVSPLFKAKYFYI
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_007349

ORF Size: 3207 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

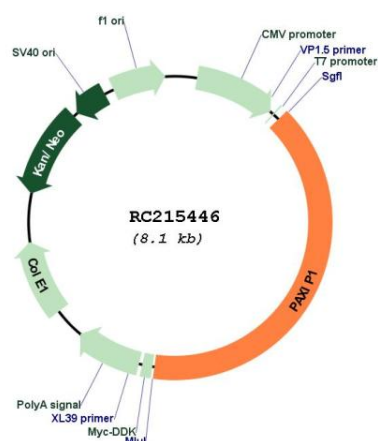
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_007349.4</u>
RefSeq Size:	3723 bp
RefSeq ORF:	3210 bp
Locus ID:	22976
UniProt ID:	<u>Q6ZW49</u>
Cytogenetics:	7q36.2
MW:	121.8 kDa
Gene Summary:	This gene is a member of the paired box (PAX) gene family and encodes a nuclear protein with six BRCT (breast cancer carboxy-terminal) domains. This protein plays a critical role in maintaining genome stability, condensation of chromatin and progression through mitosis. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC215446