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Product datasheet for RC220587

FRY (NM_023037) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FRY (NM_023037) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FRY
Synonyms:	13CDNA73; 214K23.2; bA37E23.1; bA207N4.2; C13orf14; CG003
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC220587 representing NM_023037 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCCAGCCAGCAGGATTCGGGCTTCTTTGAGATCAGTATCAAATATTTACTGAAATCCTGGAGTAATA CTTCTCCCGTTGGCAACGGTTACATCAAGCCTCCGGTTCCACCTGCTTCTGGCACGCACAGGGAGAAAGG GCCGCCAACCATGCTACCCATCAATGTGGACCCAGACAGTAAACCAGGAGAATATGTCCTCAAAAGTTTA TTTGTCAACTTCACCACTCAGGCTGAACGCAAGATTCGTATCATTATGGCAGAGCCCCTGGAAAAGCCAT TGACAAAATCTCTGCAACGTGGAGAAGACCCCCAATTTGATCAGGTCATCAGCTCAATGAGCTCCCTTTC TGAGTACTGCCTGCCTTCCATTCTACGTACATTATTTGACTGGTATAAAAGGCAAAATGGCATTGAGGAT GAATCACATGAATACAGACCAAGAACAAGCAATAAATCAAAAAGCGATGAACAACAGCGAGATTATTTAA TGGAAAGACGGGACCTCGCCATTGATTTTATTTTTTCTTTAGTATTAATAGAAGTTTTGAAACAGATTCC ACTTCATCCTGTAATAGACAGTTTAATACATGATGTTATTAACTTGGCTTTCAAGCACTTTAAATACAAA GAAGGGTACCTTGGTCCCAACACTGGCAATATGCATATTGTGGCAGACCTGTATGCAGAAGTCATTGGAG TGTTGGCACAAGCCAAATTCCCTGCTGTAAAGAAGAAATTTATGGCGGAGCTAAAAGAATTACGGCACAA AGAGCAGAACCCATATGTGGTTCAAAGCATTATCAGCTTAATAATGGGCATGAAATTCTTTCGAATTAAG ATGTATCCAGTGGAGGATTTTGAGGCCTCTCTTCAGTTTATGCAGGAATGTGCACATTACTTCCTCGAGG TCAAAGACAAAGATATCAAGCATGCCTTGGCTGGGCTTTTTGTTGAAATACTTGTTCCAGTTGCTGCTGC TGTTAAAAATGAAGTAAATGTTCCCTGCCTTAGAAATTTTGTGGAAAGCCTGTATGACACCACGCTGGAA CTTTCTTCTCGAAAGAAGCATTCCTTGGCCTTGTACCCCCTGGTGACCTGTTTGCTCTGTGTCAGTCAGA AGCAGCTGTTCCTGAACAGGTGGCACATTTTCCTCAACAACTGCTTGTCCAACCTTAAAAACAAAGATCC CAAGATGGCTCGAGTTGCACTGGAATCTCTCTACAGATTACTTTGGGTTTACATGATTCGAATTAAATGT GAAAGCAACACAGCTACTCAGAGCCGACTTATAACCATCATCACAACACTTTTCCCCAAAGGGTCCCGCG GTGTGGTACCAAGGGACATGCCTCTGAACATCTTTGTGAAAATCATCCAGTTCATTGCCCAGGAACGTTT AGATTTTGCAATGAAAGAAATCATTTTCGATTTTCTTTGTGTGGGAAAACCAGCAAAAGCATTCAGTCTC AACCCAGAGAGAATGAACATTGGTTTACGGGCATTCTTGGTCATAGCTGATAGCTTGCAGCAGAAAGATG

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Protein Sequence:

>RC220587 representing NM_023037
Red=Cloning site Green=Tags(s)

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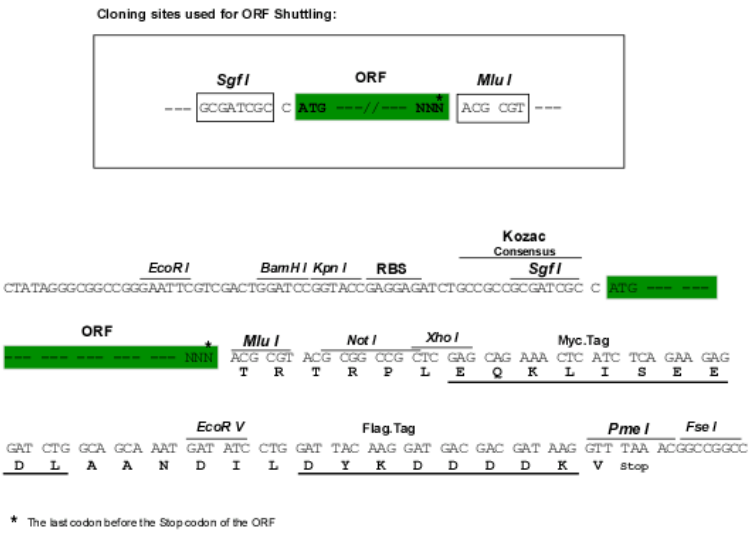
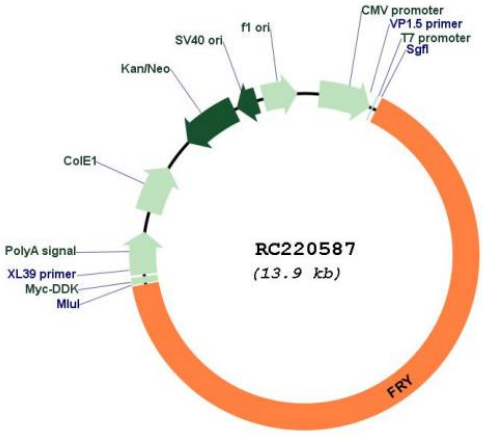
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_023037
ORF Size:	9039 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_023037.3
RefSeq Size:	10718 bp
RefSeq ORF:	9042 bp
Locus ID:	10129
UniProt ID:	Q5TBA9
Cytogenetics:	13q13.1
MW:	338.7 kDa
Gene Summary:	Plays a crucial role in the structural integrity of mitotic centrosomes and in the maintenance of spindle bipolarity by promoting PLK1 activity at the spindle poles in early mitosis. May function as a scaffold promoting the interaction between AURKA and PLK1, thereby enhancing AURKA-mediated PLK1 phosphorylation.[UniProtKB/Swiss-Prot Function]