

Product datasheet for MC225446

Fry (NM_172887) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Tag: | Tag Free |
| Symbol: | Fry |
| Synonyms: | 13CDNA73; 9330186A19Rik; AF346502; AI462658; C87180; cg003; D930046M03; mKIAA4143 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >MC225446 representing NM_172887 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCAGCCAGCAGGATTCCGGCTTCTTTGAAATCAGTATCAAATATTTACTGAAATCCTGGAGTAACG
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GGAGCTGAACATGGAGATCCGAGACATGATCCGAGGGCCAGAAGTACCGGCTCCTCACAGCCTTCTC
CCAGACTCCAGTGTCTGGCACTAGTCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_172887 |
| Insert Size: | 9063 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). |
| Reconstitution Method: | <ol style="list-style-type: none">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_172887.2</u> , <u>NP_766475.2</u> |
| RefSeq Size: | 10753 bp |
| RefSeq ORF: | 9063 bp |
| Locus ID: | 320365 |
| UniProt ID: | <u>E9Q8I9</u> |
| Cytogenetics: | 5 89.36 cM |
| 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] |