

Product datasheet for MR203248

Fam192a (NM_028221) Mouse Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	Fam192a (NM_028221) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam192a
Synonyms:	1700001O11Rik; 2310065K24Rik; Al596259; Nip30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203248 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG**GTTTAA**



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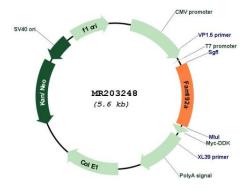
	Fam192a (NM_028221) Mouse Tagged ORF Clone – MR203248
Protein Sequence:	re: >MR203248 protein sequence Red=Cloning site Green=Tags(s)
	MDGEDDSNLVIKKRFVSEAELDERRKRRQEEWEKVRKPEDPKECPEEAYDPRSLYERLQEQKDRKQQEYE EQFKFKNMVRGLDEDETNFLDEVSRQQDLIEKQRREEELEELKEYRSNLNKVGISAENKEVEKKLAVKPI ETKNKFSQAKLLAGAVKHKSSESGNSVKRLKPDPDPDDKAQEAPSCMSLGSSSLSGPPSIHCPSAAVCIG ILPGLGAYSGSSDSESSSDSEGTINATGKIVSSIFRTNTFLEAP
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites	: Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling:
	Sgfi ORF Miui GCGATCGC C ATG NIN ACG CGT
	Kozac EcoRI BamHI Kpn I RBS Sgf1 CTATAGGGGGGGCGGGAATTCGTCGACTGGACTGCGACGAGGAGATCTGCCGCGCGCG
	ORF <u>Miu I Not Xhol</u> Nyc.Tag ACC CET ACE CEE CEE CEE CEE CEE CEE CEE CEE CEE
	EcoR V Flag.Tag Pme I Fse I GAT CTG GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGGCC D L A N D I L D Y K D D K V stop
	* The last codon before the Stop codon of the ORF
ACCN:	NM_028221
ORF Size:	765 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. <u>More info</u>
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).

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Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 028221.1</u>
RefSeq Size:	1812 bp
RefSeq ORF:	765 bp
Locus ID:	102122
UniProt ID:	<u>Q91WE2</u>
Cytogenetics:	8 C5
MW:	28.7 kDa
Gene Summary:	Promotes the association of the proteasome activator complex subunit PSME3 with the 20S proteasome and regulates its activity. Inhibits PSME3-mediated degradation of some proteasome substrates, probably by affecting their diffusion rate into the catalytic chamber of the proteasome. Also inhibits the interaction of PSME3 with COIL, inhibits accumulation of PSME3 in Cajal bodies and positively regulates the number of Cajal bodies in the nucleus. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203248

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