

Product datasheet for **MG212387**

Cfap45 (NM_027972) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cfap45 (NM_027972) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cfap45
Synonyms:	1700028D05Rik; Ccdc19; Nesg1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG212387 representing NM_027972
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACTAAGGCCAGGGGATGCCTCAAGCTCTGCTTCCACCGCTTCCAACCGGTCACGGACTAGGACTC
 GCTATCGGACCAAAGCCATGAACTCTGAGGTAGACGAGAGCCTCTTTGGAGGTGTCAAGCCTTCATCCCA
 GGGCAAGAGCGACAGCCCTATTGTGGTGATCCATGATAAACACGCTATCCGGAAGCTCTCAGTGCTCTG
 GGCTTGGAGCACAGACGGAGACGATCCAGCTCATCACTAGAGACATGGTCAGAGAACTATTGTTCCCA
 CAGAGGACCCCTCTGGGAATCGCTAATCATCAGCCCCGAGGAGTTTGGAGGATCAAAATGGGCATCCCA
 AGTCTGACCAAAGAAGAACTGAATGCCAGAGAACAGGCCCTCAAGAAGGAGAAGGAAGGCATCTTGAA
 GCCGTACAATTCGAAGAAGATTATGAAGCAGAAGGAGATGACTTGAACAATAACAAGAAGCTCAGTG
 ACCTGGAGGAGGTGGCCAGGGAACGGGCCAGAACCTCCTGCAGAGAGCCGACAAGCTCCGTATGGAGCA
 GGAGGAGGAGCTCAAGGACATGAGCAAGATTATTCTGAATGCCAAGTGCCACGCAATCCGGGATGCCAG
 ATTCTGGAGAAGCAGCAGATACAAAAGGAATTGGATGAAGAGGAGAGGCGGTTGGATCACATGATGAAAA
 TAGACCGCGCGGAATCCCTCCAAGGCAGGAGGATCGGGAAGGAAAAGGAGGGAGGAGAGTACGGGG
 AAAACGGCACATCGTGGAGCAGATAAAGAAGAACGAGGAGGAGAGATCGCTGCAGGCGGAGCACCCTGAA
 CAGGAGAAGGAGCAGATGCTGGCCTACCTGGACCGGCTCCAGGAGGAGGATTTGCAGGATCTGGAACGAA
 GACATCAGGAAAACTGAAGATGCAAGCTGAAATTAACGTATCAACGATGAAAACAGAGACAGAAAGC
 AGAGATGCTGGCAGGAGAGACTGGCAGACCAGATGGTGATGGAATTTACCAAGAAGAAGATGGCTCGA
 GAGGCAGAGTATGAAGCTGAGCAGGAGAAAAATCCGAGGGAGAAAGAGAAGGAGATCGCCCGCTGAGGG
 CCTTGCAGGAGAAGGCGCAGGATTATCAAGCAGAGCAGGATGCCTTGGCGGCAAGCGCAACCAGGAGGT
 TGCAGATCGAGAGTGCGCTCGAAAGGAAAAGGAAAATGCGCAGAAGAAGATAGAGACAGAGGAAAAGCTG
 CGCAAAAGCCGGCTGGAGCAGGTGGCATTCAAGGAACACACGCTGGCCGTTAGGTTACGCTGACCGAG
 ATGAGTTCGAGAGGATCCTTCGGGCTCAGAGAGAGCAGATTGAGAGGAGAAGCAGGAACAGGAGAAGAA
 AGCCAAGGGTGCTCCAGCATGCCAACGAGCTCCGACGCGAGGTGCGTGAGAACCAGCAGAAACACGTG
 CAGAACCAGGCTCGCTACCTTCGAAGAGGGCCGCCCTCAAGGAGGAAGCCGAGAAGCGCCGCGAGCGCA
 TCGAGGACATCAAGAAACAGAAGCTGGAAGAGCTGAGAGCCACCGGCTTCTGAGAAGTACTGCATCGA
 AGTTGAGCGTAAAGCCAACATCCTGCCAGCCACTTCTGTAAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

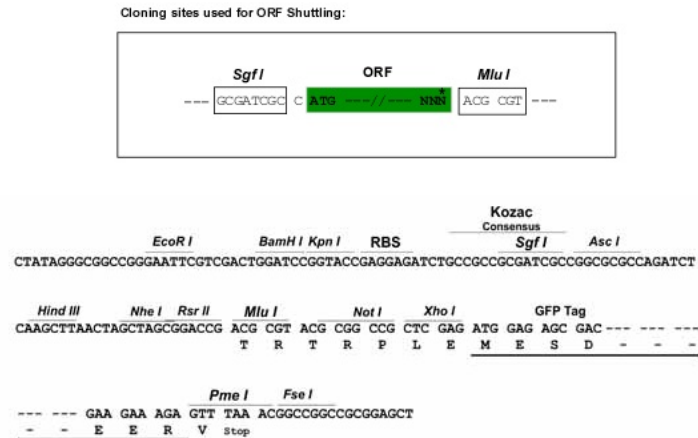
>MG212387 representing NM_027972
 Red=Cloning site Green=Tags(s)

MPLRPGDASSASTASNRSRTRTRYRTKAMNSEVDESIFGGVKPSSQGKSDSPIVVIHDKHAIRKTL
 SALLGLEHKTETIQLITRDMVRELIVPTEDPSGESLIISPEEFERIKWASQVLKEELNAREQALKKEKEGILE
 AVTIRKKIMKQKEMTWNNKKLSLEEVARERAQNLLQRADKLMEQEEELKDMSKIILNAKCHAIRDAQ
 ILEKQIQKELDEEERRLDHMEIDRRSLQRQEDRERKRREERVGRKRHIVEQIKKNEEERSLQAEHRE
 QEKEQMLAYLDRLQEEDLQDLERRHKEKLKMQAEIKRINDENQRQKAEMLAQERLADQMVEFTKKMAR
 EAEYEAQEKIRREKEKEIARLRALQEKAQDYQAEQDALRAKRNQEVADREWRRKEKENAQKKIETEEKL
 RKSRLQVAFKEHTLAVQVQRDRDEFERILRAQREQIEREKQEKEKKAGCLQHANELRRQVRENQQKHV
 QNRLATFEEGRRLKEEAERRRERIEDIKKQKLEELRATGLPEKYCIEVERKANILPATSVN

TRTRPLE – GFP Tag – V

Restriction Sites:

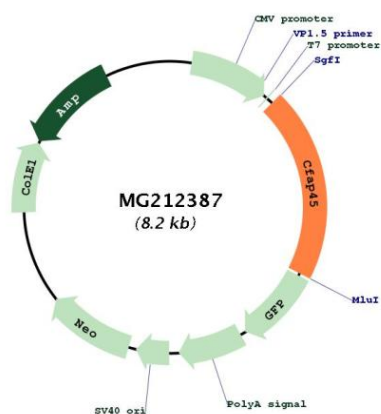
Sgfl-MluI

Cloning Scheme:


ACCN:	NM_027972
ORF Size:	1653 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_027972.1 , NP_082248.1
RefSeq Size:	1822 bp
RefSeq ORF:	1656 bp
Locus ID:	71870

Cytogenetics: 1 79.91 cM

Product images:



Circular map for MG212387