

Product datasheet for **MG221492**

Cfap44 (NM_001033247) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cfap44 (NM_001033247) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cfap44
Synonyms:	6330444M21Rik; D16Ertd642e; Gm1750; Wdr52
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221492 representing NM_001033247 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGAGCCAGATGACCAAGACACTTCTGATGGGGGAGATCGGGATCAAGGAATGAGGGAAAGCTGG
CTCATAAGTCCATTTTGAATCTTCACAAGACACCACAGCTGACTCATATACCGACGGGGAAGAGTCGTA
TCTGGCGATGACTTAGATTTGGACGACATGGACGAAAGCTCGCATTATCTCAAGAGTACGTTCCAGGCT
CCTGCACCTTCCAGGAACCTCCTGTTGAAGTTAAGGAAGAACCAGAAGCCGACGTAAGAAGGTGCTCT
CCGAGACCTTCTATTACGATTACCCGGAGCTTGTTCATACCATATGTGTCTTCGGAAGAGAGGATCCC
ACTTTATTTTCTCACCTCAACCATTCTTTGGTTATGACTGCAGAAAGCGAGCCAACTACAGCTTCTG
GACAGCAACACTTTATTGTACGTGGCTGGGAACAGATGGTCTGCTGGATTTTAAAGACAAGACACAAA
TTTACCTGCAGAGTAGCAGTGGCCAAGGGATTGGTGCCATTGGGGTCCATCCAAAGAAACTTACTTCGC
AGTTGCCGAAAAAGGAAGTTTCCAAAGATTATCATCTACGAGTACCTTCTCTGAAGCCCTACAGGATC
TTGAGAGATGGGGCAGAAAAAGCCTATGCTTATGTGGACTTTAACACGAGGGGAACTTGTGGCCCTCTG
TTGGCTGTCATCCTGATTACACAATAACCATCTGGGGCTGGAAGGAAGAGCAGCCCACTGAGAACGAA
AGCGTTTTCTCAGGACGCTTTAAGGTCACCTTTCAATCCTGATAATGATGAGCAATTAACCTACCTCAGGA
TCCGGCCACATCAAGTTCTGGGAGATGGCTTTTACATTCAGCTCAAGCTGCAAGGATCACTGGGGC
GATTTGGCAAAACATCTACCAGTGACATAGAGGGCTATGCAGAGCTTCCGACGGGAAGGTTCTCTCAGG
GTCAGAATGGGGCAACCTGCTGCTTTGGGAAGGCAGCCTCATCAAGGTGGAACCTGTGCGACTGGCATG
AAGTCTTGTACAGCGGTTCCATTAACCAGATAATGCTGGATGAGGGAGAAGTGATCACCGCCGGTTCGG
ATGGCAGCGTTAGGATATGGGATTTTGAGACAATCGACTGCTGACGTTATAGATGATACTGGATTGTT
GGAGATAGAACCTATTAATGAACCTCACATAGACAAGAGTGTCAACCTCTTCTCAATGATCAAGATGAAT
GAAGTTGAAATAATTTTGGCTGGCTCAGGATGCCAATGGAGCCATATGGAAGCTTGACCTTAGCTTTT
CAAATATTACCCAGGATCCAGAATGCCTCTTCTTTCCACTCTGGACCGATTGCAGCCTTGGCTGTTTC
TCCTCTACTTATCTCATGGCCACAACCTGCTATGGACTGCTGTTCGTGCTATGATTTTCTAGTAAA



[View online »](#)

AACCCCTTGGTCCATATGAAATTTAAACAAGGAGGCACATCCCTCATTTGGGCACCCCGATCAGTAAGCG
 TTTCTGCATCACAGATTGTAGTAGGATTCCAAGACGGCGTTGCCGAGTCTTGAACTTTTTGACCCAAA
 AGGACTTACAGTTTATGCAGGACGGAAGAAAATCCAGATGCTGAGTTACATTTGAAATATGTCTTCAA
 CCCATACTGATGAAGTTACAGCTTTAGCTTATGAACGTGATGGGGATATCTTAGCCACTGGGAGTGAAG
 ACAAGACTGTCTCTTTTTGATGTGGAGAAAATAACAAGCCGATTGGTTTTTTAACACTCCTGGGCC
 CATTGGCCAGTTGATGTGGTCTCCAGCCAGTCATCCTGAAAAACTTTATTGATCATCTGTGAGAATGGC
 TACATTTGAAAGTCTATGCCCAACCATTAAAGACGTAGATGACCAGAATGTTATCACGTTTGCAATCC
 CGAACGTGTTCCCGATGCTTCCATTTACAGAGTGTCAAATCTAAGATTTTGAGATTTTTAGAAGTACA
 AAGGAGAGAACAACAGAAGATGTTGAAGGAGAAGGAAAAGTTAGAAAAGGAGGATGAAGCTAGCAGAAGAG
 AGGGAAGCCTTTGGAGAAGGAAATACCAGAGGAGGAGACCAGTGAGGAAGGGGAAGAGGAGGCCGC
 CGCTGCCGTGAGATCTTATGCCACCAACACCCTCCCTATCCTGTGTGGCTTTTACTCGGAGCCAGGGAA
 GTTCTGGGTGCTGTTGGGCAACTATGATGCTGGCTTCTCTACTGTCAGTTTCCGTCATATCTCCAC
 AACAGTGATTTCCAAAAACAGGAAAATGAACCATTTGATTTCCGAGTCTTGAGAATACAGAAGACAACC
 CCATCAGAAATACACTTTCAGTAATGACCAAATATGATGTTCTGCGGGATGACAAATGGAGCGATTCCG
 AGTGTATGTCTTAAGTGAGAACGCCCTTCTGGTCACTTTCGAGCACTACTGGCATTTCAATGTGCAT
 GACAATAATTATGGATCTATTAAGATCACTTCGAGTTTTGATGACCAGTATTTGCTGACGGCTGGGG
 AAGATGGTAATATCTTTGTTTTCGACATTTTTCTGAATTTATTGTCCCAGGAAATCAAAGCCAAAGT
 ACCATCACCCAGGTTTGGGATTGAATCAGAGGCCGCTCCAGAAGACATCGAAGATCCCAAAGCCTACAGC
 ATTGAGAACGCCAGGAAGAAACGAGAGCATGACAAGTTAATGAAGAAAAGTGAAGAACTAAAAGCTCACA
 AGAGAGAACAATAAAAAATTTGAGGAATGAGTTTTGGAAGCTGTTAGAGTTGAATAAAGAGTTACCAGC
 GCATATGCAGTTCCAAAGGACGGATTTCAATATTGATGCCAAAATTCACGCTGAGATCCACAAGAAAAACA
 AGTTTGAATAAGAACAGTGGAAAAGGAACTAGCTTGGGAAAAACAGAAACACGAGCTCGGTCTGAAGA
 AGCTGCAGGACAGATTTCTGTAACCATTGGAAAAGTGACACCATCGTGGTTTACGCCACCCAGAGTGACCA
 CCAGATAGCCTCCTATAGACTGGTGAAGCCCTCTAAATATTCCAAGTTAAAGCGTCCAAGCCAGTCTGAG
 AGAAGACAAGCAAAAATGGAGAGGCTTGAAGGAAAGGGCCGGGCAAGAAGGAGAGCCAGAGAGATACAG
 GTGGAAGTATTAGCCTACAAGAAGAGTCACTGTTGAAAAAGGGAAGAAATTTCCGCCTAGAACTTTAAG
 TGAAATTATGGTAGAAAACCAAATCGAGAAAACAAAGAACTCATACAACAAGCTGAGCGGGCTCAATTT
 AAGATTCTCCAGCGCAAAAAGGAATGGGAGGAGCTTTACAAAAGCAAACCTGACGATGACTATGAAGATC
 CCAAAGATGTTCCAGGCCATCAAAGAAGCCCAAACATACATGGGGATTTCATCTGAAGACAGCCCCGGA
 CTAACAAGATCCCTGAGCACATGAGAATAAATGCAGCCAAGAAGGAGGAGGAGCTGGGGTACCTTGACACG
 ATGGCCACGGGAAGAAGAGGTACATGAACAAGTGCATCCTTTCCCTTCGAGATCTCAAGTTGGCTGTCA
 TTGAGGAAATCCAGTGCCTGGTCCAAGAACTGAAGAACATTCAGTCTCCATCCCCGCGTCCAAGCACAT
 GCCCATCCCCAGGTCCCGCAGATCTATCCTGAGGAAGTCCCAGAAAGGAGATTCCAGTACGACGAGGAA
 ACACTCTTGAGATTTAGAGAAAAGCAGAAGAAACGGCAGGATAAGAGCAGCAGCAAGCAGTCCGGAAACAG
 GATCTGGGGGCTCAGCCGGAGGAGGGCTAGTAGGGTTCCTCAAATGTCTCAGGAAAGGAGGGAGACCT
 GACAACCAGAGACTCCCTGTCTCGCTCGTCCAAGGCATCAGCGCTCCTGGAGCTTCCGAAGCCCGTCGAG
 TTTGAGAAGGCGGAGCCAAGCGACGCGGAGCTGGAGATTATGAAAAGAGACGAGGTTAAACATTTATACA
 TGCAACAGTTTTTGTGAACAGGATCAACGAAGTACTGTCACTTTGACGCAGAACTCCATCTTCTAAG
 ACATCAGAAAAGTGAAGCTAGATACGAAAATGAAATTTATCTGACCTTCACCATCTCACATTTATTTCAAGAA
 ATGCTTCTCCTGAAGAATTTTGA AAAACAGGAAAATATTCTTCAAGAGAGAGTTAACTCCTTAGACAAAAG
 AGGAGCAAGACATGCAATGGAAAATAAATGAAACTCTTAAAGAGATGGAAGAGAAAAAGAATGAAATCAC
 CAAACTCCAGGATCAGGAAAAGGCGCTCTACGCTGGCTTCCAGGCAGCCCTTGGAGAAAACAATAAATTT
 GCAAACCTCCTCATGAAGGTCTGAAGAAGAAGATTAAGCGGGCAAGAAGAAGGAAAGTTGAGGGAGATG
 CTGATGAGGATGAAGAGAGTGAAGAGTCCAGTGAAGAGGAGTCCAGCCTGGAGAGCGACGAGGATGCGTC
 CGGATCTGAAGATGACGTTTTGATGATTTCTATCTGCCCACAAATTTGATGTAAGTCTCTTTGAACTG
 GCCCTCAAACCTCCGAGAGAAAAGACTGGACATTGAGGAAGCCTTAGTTGAAGAAAAGAAAATTTGTGATA
 ACCTGAAAAAAGAATATGATACAATCTCCAAAAGGTAAGTTGTGGCAACCAATCTGAATGCAGCCGA
 GGAGGCCCTGGAGGCTTATCAGCGAGAGAAACAGCAGAGGCTGAACGAGCTGCTGGTCTGATCCCTCTG
 AAGCTCCACCAGATAGAGTATATGGAATTTGGGAGGTGCTGAAGACCTTTCTGGGACCTTGGTCTTCT
 CCAACCACTCCCTCGATCGGCTGCAAGAACGAATTTGTACAGCTCCAGGAGGAAAAACGCAAGCAACAAAA
 ACTGAACAAGAAATGCAGGGAGAGGCGGAAGCTGCTCATCCGGGAAAAAGAGAGATGGCAAAAACCATC
 AGCAAAATGGAAGAACTGTCCGGGAGCTGATGATCAGCAAGTTTGGCCGCTGATCGATCTGGAAGCCC

TCCAGACCCTTTCTGTTAACACAACCTTGAAGAAGCTGAAGATCAAAAAGCTTCGGAAGGAGCTATCCAA
 CGCAAAGGAGCTAAGGATGTGGGAGGAGAAGATCGCTCAAGTGCCTGGGACCTGATGATGAAGACGAAG
 GAACACACCAAAAAGCTTACCAGATGAACGACCTGTGCCTCGAGAAGAAGAACTTGATTCCAGGTTGA
 ACACTCTCCAGAACAGCAGGGAACGCCTTCCAGGGCCTTCGAAAAGCCGATATAGTGGCAAAGCAGAA
 GGTCACCGAAGTGGTCCAAACCCAGTTAGAGAAGATCACGGCCTTAAAAGAAGAGATTGAGCTTTTTCGG
 AAGAAGGGGGGCTCCTCCTCCCGCCTATACCCCCAAGCCAAAGAACGAGATGAAGCCCATGGACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG221492 representing NM_001033247
 Red=Cloning site Green=Tags(s)

MKEPDDQDTSDDGRRSGSRNEGLAHKSILKSSQDTTADS YTDGEE SYLGDDLDDMDDESSHSSQEYVQA
 PAPSQEPPEVKEEPEADVKKVLSETFYDYDELVSIPVVSSEERIPLYFLTLNHSFGYDCRKRANLQLL
 DSNTLLYVAGNQMVLLDFDKDTQIYLQSSSGQIGAIKVHPKTYFAVAEKGSFPKIIIEYPSLKP YRI
 LRDGAEKAYAYVDFNNEGNLLASVGCHPDYTTI IWGWKEEQPILRTKAFSQDVFKVTFNPNDEQLTTS
 SGHIKFWEMAF TFG LKLQGS LGRFGKTSTSDIEGYAELPDGKVLSGSEWGNLLLWEGSLIKVELCRTGM
 KSCHSGSINQIMLDEGEVITAGSDGVSRIWDFETIDTADVIDDTGLLEIEPINELHIDKSVNLF SMIKMN
 EVGNFWLAQDANGAIWKLDLFSNITQDPECLFSFHSGPIAALAVSPLYLMATTAMDCSVRVYDFSSK
 NPLVHMFKFQGGTSLIWAPRSVSVSASQIVVGFQDGVVRVLELFDPKGLTVYAGRKKIPDAELHLKYVFK
 PHTDEVTALAYERDGDILATGSEDKTVFFFDVEKEYKPIGFFNTPGPICQLMWSPASHPEKTLIIICENG
 YILESLCPTIKDVDDQNVITFAIPNVFLRCFHFTSVKSKILRFLEVQRREQQKMLKEKELERRMKLAE
 REAFEEEEIPEEETSEEGEEEEPELPEIFMPPTSPILCGFYSEPGKFWVSLGNYDAGFLYHCQFPSYLH
 NSDFQKQENEPDFRVLNTEEDNPIRNITFSNDQTMFCGMTNGAIRVYVLSNDPFLVSLQHYWHFNVH
 DNNYGSIKSITSSFDQYLLTAGEDGNIFVDFIFSEFIVPKGIKAKVSPRFGIESEEAPEIDIEDPKAYS
 IENARKKREHDKLMKKVEELKAHKREQIKILRNEFWKLELNKELPAHMQFQRTDFNIDAKIHAEIHKKT
 SLKIEQVEKELAWEKQKHELGLKQLDRFREPLESDTIVVYATQSDHQIASYRLVKPSKYSKLRPSQSE
 RRQSKMERLEKEGPGKESQRTDGGISLQEEVLEKGGKFRPRTLSEIMVENQIEKTKKLIQQAERAQF
 KILQRKKEWELYKSKPDDDYEDPKDVQAIKEAQT YMGDFNLK TAPDYK IPEHMRINAAKKEEELGYLDT
 MAHGKRYMNCILSLRDLKLAVIEEIQCLVQELKNIQSSIPASKHMPIPQVPQIYPEEVPERRFYDEE
 TLLRFQRKQKQRQDKSSSKQSGTSGSGSAGGGLVGF LKLSGKEGDLTTRDSLRSRKSASALLELPKVE
 FEKAEP SDAELEIMKRDEVKHL YMQFLCNRINELTVTFDAELHLLRHQKLLD TKMKLSDLHHLTLFQE
 MLLLKNFEKQENILQERVNSLDKEEQDMQWKINETLKEMEEKNEITKLQDQEKALYAGFQAALGENNKF
 ANFLMKVLK KIKRAKKKEVEGDAEDEESEESEESSLESDASGSEDDVFDSDICPTNCDVSLFEL
 ALQLREKRLDIEEALVEEKKIVDNLKKEYDTISKVKV VVATNLNAAEEALEAYQREKQQRNELLVVIPL
 KLHQIEYMEFGEVPEDLSGTLVFSNHSLDRLQERIVQLQEENAKQKLNKECRERRKLLIREKREMAKTI
 SKMEETVRELMISKFGRVIDLEALQTL SVNTTLEELKIKLRLKEL SNAKELRMWEEKIAQVRWDLMMKTK
 EHTKKLHQMNDLCLEKKKLD SRLNLTQ NQQGNAFQGLRKADIVAKQKVT ELVQTQLEKITALKEEIELLR
 KKGGLLLPPIPKPKNEMKPMDT

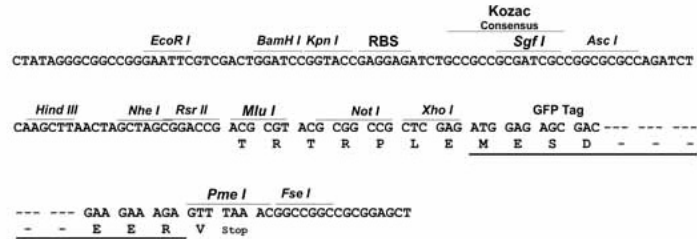
TRTRPLE - GFP Tag - V

Restriction Sites:

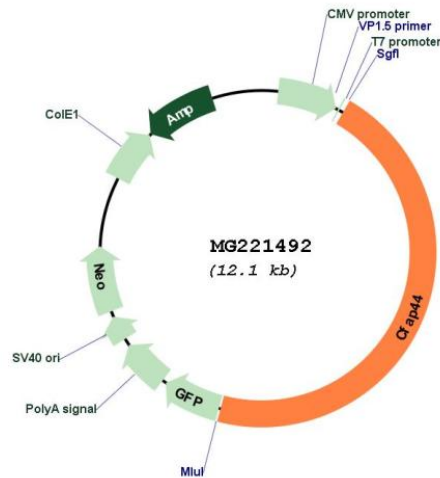
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001033247

ORF Size: 5529 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:	<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.
RefSeq:	NM_001033247.1 , NP_001028419.1
RefSeq Size:	6583 bp
RefSeq ORF:	5532 bp
Locus ID:	212517
UniProt ID:	E9Q5M6
Cytogenetics:	16 28.72 cM
Gene Summary:	Flagellar protein involved in sperm flagellum axoneme organization and function. [UniProtKB/Swiss-Prot Function]