

Product datasheet for **MG202522**

Faap24 (NM_178643) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Faap24 (NM_178643) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Faap24
Synonyms:	AW124591; AW538696; C230052I12Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202522 representing NM_178643 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGGAACCCGCTGATGGGACCGGTCCGGTCCACGTGCCACTAGGACATATTGTGGCTAGTGAAA
AATGGCGCGGTCCCAACTGGCTCAGGAGATGCAAGGAAAAGTTAGACTCATTTTTGAGGAGGCCCTGGC
ATCAGCAGATTTTACCTGTCTAGCAAATCTTGCACTCTATGTCAGTGAAGCAGATTTGGTGGCCGGA
CATGGCTACAGAAAAGACTCGCTCGCTTTAGAAATTCCTCACATCTCAAGGGATCATAATAGTTGAGA
AGACCCAGATGAGTGAACAGTATTTCCAGCAGTCCAGAAGTTACTGTGCTAGACCTTGGGATGGTGCT
GCTTCCAGTGGCCAGCCAGTCGGAAGCATCCTGCCTCATTATCCACTTGGTTCAAGAGCAAACCAGAGAG
CCCAGCAAGAACCCTTTCCTCAGGAAAAGCGCTCCATGCTCTCCGAGCTCTCCCTTGTTCAAAACAGTGC
AGCAGATCCCAGGGGTTGGGAAAGTTAAGGCCCCCTTCTGCTCCAGAAGTTCCGAGCATCCAGCAACT
GAGCAACGCTTCCGTCCAAGAAGTGGAGGAGTTCGTGGGGCCCGGCAGCACAGCAAATCCACACCTTC
TTCACCCAGCCTAAGCGACAGCAGCCCCGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202522 representing NM_178643
 Red=Cloning site Green=Tags(s)

MERNPPDGTGPVHVPLGHIVASEKWRGSQLAQEMQGVRLIFEGLASADFYLSKSCILYVTEADLVAG
 HGYRKLARFRNSSHLQGIIVVEKTQMSEQYFPAVKFTVLDLGMVLLPVASQSEASCLIIHLVQEQTRE
 PSKNPFLRKKRSMSELVQTVQVQIPGVGKVKAPLLLQKFPSIQQLSNASVQELEEVEVGPAAAQIHTF
 FTQPKRQQPRS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178643

ORF Size: 663 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_178643.5](#), [NP_848758.1](#)

RefSeq Size: 1788 bp

RefSeq ORF: 666 bp

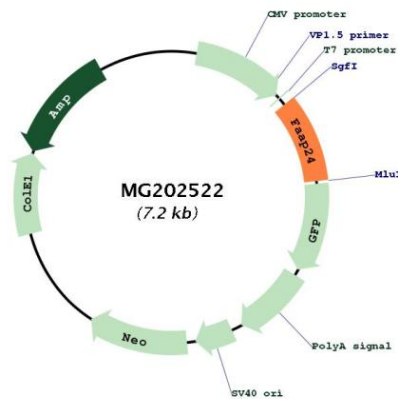
Locus ID: 101831

UniProt ID: [Q8BHL6](#)

Cytogenetics: 7 B2

Gene Summary: Plays a role in DNA repair through recruitment of the FA core complex to damaged DNA. Regulates FANCD2 monoubiquitination upon DNA damage. Induces chromosomal instability as well as hypersensitivity to DNA cross-linking agents, when repressed. Targets FANCM/FAAP24 complex to the DNA, preferentially to single strand DNA (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202522