

Product datasheet for **RG208177**

FAM168A (NM_015159) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM168A (NM_015159) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM168A
Synonyms:	KIAA0280; TCRP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208177 representing NM_015159 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCTGTTTACAGCCCCGTGCAGCCTGGGGCTCCTTATGGCAACCCTAAGAACATGGCCTACACGG
GTTACCCACAGCCTATCCAGCAGCTGCCCTGCCTACAATCCCAGCCTGTACCCACCAATAGTCCCAG
TTATGCTCCAGCAACTCTGCTGATGAAACAGGCCTGGCCACAGAAGTTCCTTCTGTGGCACTGAAGGC
ACCTTCCACCTCCAGTGGACACCGGGACCGAGAACCAGAACTTACCAAGCATCCTCTGCGGCTTTCAGAT
ATACTGCGGGGACACCATAACAAGTCCCACCGACCCAGAGTAACACTGCTCCACCCCTACTCCCATC
ACCCAACCCTATCAGACGGCCATGTATCCAATCAGAAGTGCCTACCCACGAGAACTGTATGCCAG
GGAGCCTACTACACAGCCGGTGTATGCTGCCAGCCTCATGTCATCCACCATACCACGGTCGTCCAGC
CCAACAGCATTCCCTCTGCTATCTACCCAGCACCTGTTGCCGCCCGAGGACCAACGGTGTGGCCATGGG
CATGGTGGCAGGCACCACCATGGCAATGTCAGCAGGTACCCTGCTGACTACCCACGACACCGCGATT
GGGGCACACCCTGTCTCCATGCCAATATAGGGCCCAAGGAACCCTGCGTACAGCTACGTGCCCCAC
ACTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208177 representing NM_015159
 Red=Cloning site Green=Tags(s)

MNPVYSPVQPGAPYGNPKNMA YTGYP TAYPAAAPAYNPSLYPTNSPSYAPATLLMKQAWPQNSSSCGTEG
 TFHLPVDTGTENRTYQASSAAFRTYTAGTPYKVPPTQSNTAPPPYSPSPNPYQTAMYP IRSAYPQQNL YAQ
 GAYYTQPVYAAQPHVIHHTTVVQPN SIPS A IYPAPVAAPRTNGVAMGMVAGTTMAMSAGTLLTTPQHTAI
 GAHPVSMPTYRAQGT PAYS YVPPHW

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015159

ORF Size: 705 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_015159.3](#)

RefSeq Size: 1834 bp

RefSeq ORF: 708 bp

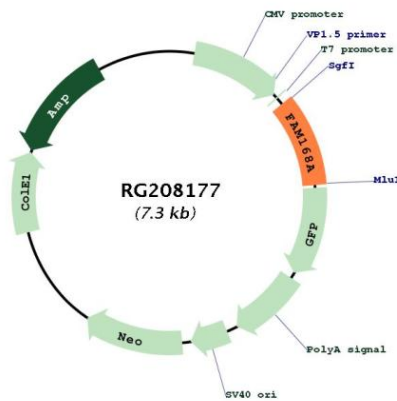
Locus ID: 23201

UniProt ID: [Q92567](#)

Cytogenetics: 11q13.4

Gene Summary: In cancer context, protects cells from induced-DNA damage and apoptosis. Acts, at least in part, through PI3K/AKT/NFKB signaling pathway and by preventing POLB degradation. Decreases POLB ubiquitination and stabilizes its protein levels.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208177