

Product datasheet for **RG208511**

FAM8A1 (NM_016255) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM8A1 (NM_016255) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM8A1
Synonyms:	AHCP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208511 representing NM_016255 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGAGGGGCCGAGGAAGCCCGAGGCCACCCTCCCGGCAGGACGATGGCGGAGGGGACCACGAGC
CCGTCCCTCCCTGAGAGGCCCTCTACCACCGCCGTCCCATGCCCCCGGACGACCCCCAGGCCGAACC
CCAGGCCCGGGCCGGCCACAGCCCCGGGCTCGCGGCTGCCGCCGAGCCGACAAATTGGAGCCGCCG
CGCGAGCTCAGGAAGCGGGGAGGCGGCTCCGGCTCCGGTGCAGAGCTGCAGGAGCAGCGGGGTGCC
AGGCGCCGAAGCCGGCGGCCACGAGAGAGACCAGCTCGGCTGAGCGCCCGGAGTACTCCCGCAAGT
GCACGAGTGGCTGTGGCAGTCTACTGCGGCTACCTCACCTGGCACAGCGGCTGGCCGCCTCCAGCC
TACTGCAGCCCCAGCCCTCCCCGAGAGCTTCCCTTCGGGCGGCGCTGCAGTCCCCAGCCCGCGCGC
CGCCGCCCGCAGCTGGGCTATTACAACCCCTTCTACTTCTGAGCCCCGGGGCCGCGGGGCTGACCC
GCGGACAGCTGCCGGCATCAGCACCCCTGCTCCAGTCGCGGGCTGGGACCCCGGGCTCCTCACGTGCAG
GCGTCCGTCCGGGCACTCCAGTGACGAGGGTAGGATCCGAGCCCTTCGCGAAGCCCGAGCGAGACCG
GGCGACAGGCAGGCAGAGAATA GTTATTCCATCCTTGGCCACAGATTTATGGCAGAGATGGTGGATTT
CTTTATTCTCTTTTATAAAAAGCAACCATTGTCTTAAGCATTATGCACCTCAGTGGGATAAAGGATATC
TCTAAGTTTGCTATGCATTATATAATAGAAGAAATAGATGAAGACACATCAATGGAAGACTTGCAGAAA
TGATGGTTGTGGCACTTATACAGATTATTAGTTTGTCTATGAGATAATTTGCATTTGGGGAGCAGG
TGGAGCTACCCAGGGAAGTTCTGCTGGGCTTCGAGTTGTGACATGTGATACATCAGTCTTATTGCA
CCAAGTCGGGTTTTAGTGATTCTTCTCAAATGTTAGCATTACAACGTCCACTATCCGAGCTTTGATCA
AGAATTTTCAATTGCTTCTTTTTCCCTGCTTTCATCACACTGCTGTTTTTTCAGCATAATCGAACAGC
TTATGACATTGTAGCAGGAACCATTGTGGTAAAAAGAAATGGGGTCAGA

ACGGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208511 representing NM_016255
 Red=Cloning site Green=Tags(s)

MAEGPEEARGHPPGQDDGGGDHEPVPSLRGPPTTAVPCPRDDPQAEPQAPGRPTAPGLAAAAADKLEPP
 RELRKRGEAASGSGAELQEQAGCEAPEAAAPRERPARLSAREYSRQVHEWLWQSYCGYL TWHSGLAAFPA
 YCSPQSPQSFPSGGAAVPQAAAPPPQLGYYNPFYFLSPGAAGPDPRTAAGISTPAPVAGLGPRAPHVQ
 ASVRATPVTRVGSAAAPSRSPSETGRQAGREYVIPS LAHRFMAEMVDFILFFIKATIVLSIMHLSGIKDI
 SKFAMHYIIEEIDEDTSMEDLQKMMVVALIYRLLVCFYEIICIWGAGGATPGKFLGLRVVTCDTSVLIA
 PSRVLVIPSSNVSITTSTIRALIKNFSIASFFPAFITLLFFQHNR TAYDIVAGTIVVKRNGVR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016255

ORF Size: 1239 bp

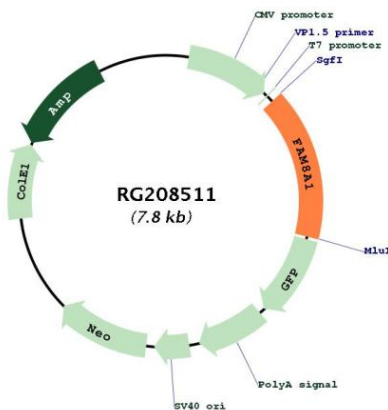
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_016255.3</u>
RefSeq Size:	4762 bp
RefSeq ORF:	1242 bp
Locus ID:	51439
UniProt ID:	<u>Q9UBU6</u>
Cytogenetics:	6p22.3
Protein Families:	Transmembrane
Gene Summary:	Plays a role in the assembly of the HRD1 complex, a complex involved in the ubiquitin-proteasome-dependent process of ER-associated degradation (ERAD).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208511