

Product datasheet for **SC305408**

FAM161A (NM_032180) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM161A (NM_032180) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM161A
Synonyms:	RP28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC305408 representing NM_032180.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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GGAGCGCGGGTCGCCAGTACGAACCGGAAGACCCTTAAGGCCCTGGCGGCAGCGGAGGCGATCTTG
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GAAGCCAATGAGGAAAGTGAAGAAGAGAAAATCTGTTGAAGAATCACACTGA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_032180

Insert Size: 1983 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_032180.2</u>
RefSeq Size:	3692 bp
RefSeq ORF:	1983 bp
Locus ID:	84140
UniProt ID:	<u>Q3B820</u>
Cytogenetics:	2p15
MW:	76.8 kDa
Gene Summary:	<p>This gene belongs to the FAM161 family. It is expressed mainly in the retina. Mouse studies suggested that this gene is involved in development of retinal progenitors during embryogenesis, and that its activity is restricted to mature photoreceptors after birth. Mutations in this gene cause autosomal recessive retinitis pigmentosa-28. Alternatively spliced transcript variants have been identified.[provided by RefSeq, Jan 2011]</p> <p>Transcript Variant: This variant (2) lacks an in-frame coding exon and encodes a shorter isoform (2), as compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>