

Product datasheet for **RC229468**

FAM38A (PIEZO1) (NM_001142864) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM38A (PIEZO1) (NM_001142864) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM38A
Synonyms:	DHS; FAM38A; LMPH3; LMPHM6; Mib
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229468 representing NM_001142864 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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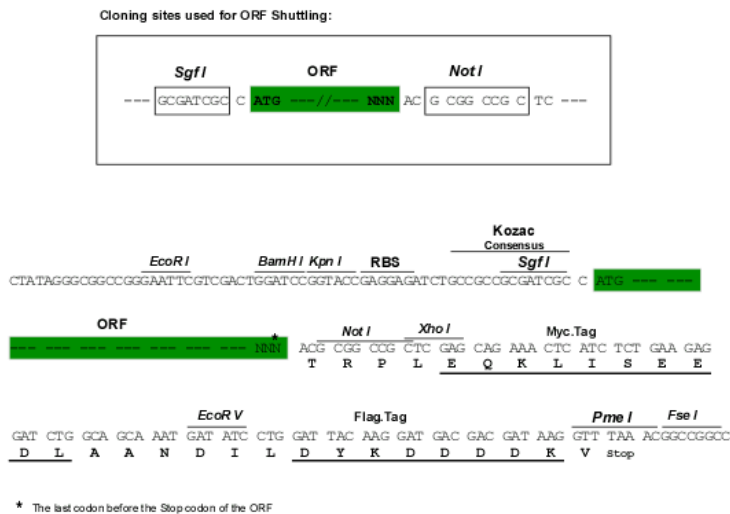
Protein Sequence: >RC229468 representing NM_001142864
 Red=Cloning site Green=Tags(s)

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 IGK FVRGFFSEISHSIMFEELPCVDRIKLCQDIFLVRETRELEEEELYAKLIFLYRSPETMIKWTRK
 E

TRRLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8108_h01.zip

Restriction Sites: SgfI-NotI

Cloning Scheme:


ACCN: NM_001142864

ORF Size: 7563 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_001142864.4](#)

RefSeq ORF: 7566 bp

Locus ID: 9780

UniProt ID: [Q92508](#)

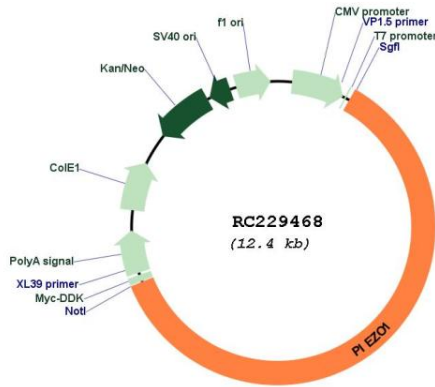
Cytogenetics: 16q24.3

Protein Families: Transmembrane

MW: 286.6 kDa

Gene Summary: The protein encoded by this gene is a mechanically-activated ion channel that links mechanical forces to biological signals. The encoded protein contains 36 transmembrane domains and functions as a homotetramer. Defects in this gene have been associated with dehydrated hereditary stomatocytosis. [provided by RefSeq, Jul 2015]

Product images:



Circular map for RC229468