

## Product datasheet for **SC328103**

### FAM38A (PIEZO1) (NM\_001142864) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAM38A (PIEZO1) (NM_001142864) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIEZO1
Synonyms:	DHS; FAM38A; LMPH3; LMPHM6; Mib
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>SC328103 representing NM_001142864. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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- Restriction Sites:** SgfI-NotI
- ACCN:** NM\_001142864
- Insert Size:** 7566 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:**

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\\_001142864.2](#)

**RefSeq Size:** 7833 bp

**RefSeq ORF:** 7566 bp

**Locus ID:** 9780

**UniProt ID:** [Q92508](#)

**Cytogenetics:** 16q24.3

**Protein Families:** Transmembrane

**MW:** 286.8 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]