

Product datasheet for MR226955

Piezo2 (NM_001039485) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Piezo2 (NM_001039485) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Piezo2
Synonyms:	5930434P17; 9030411M15Rik; 9430028L06Rik; Fam38b; Fam38b2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226955 representing NM_001039485, codon optimized . Due to the complexity of NM_001039485, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGATCTGCC
GCC**CGGATCGCC**

ATGGCTTCGGAAGTGGTGTGCGGGCTGATCTTCAGGCTGCTGCTCCCATCTGCCTGGCAGTAGCATGTG
CGTTCCGGTACAATGGGCTCTCCTTTGTCTACCTTATCTACCTCTTGCTCATTCCCTGTCTCAGAACC
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Protein Sequence:

>MR226955 representing NM_001039485
Red=Cloning site Green=Tags(s)

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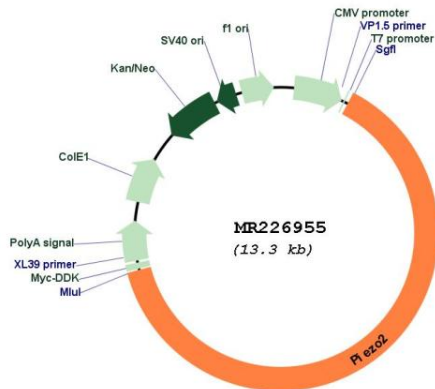
UniProt ID: [Q8CD54](#)

Cytogenetics: 18 E1

MW: 325.8 kDa

Gene Summary: Component of a mechanosensitive channel required for rapidly adapting mechanically activated (MA) currents (PubMed:20813920, PubMed:24717433). Required for Merkel-cell mechanotransduction (PubMed:24717433). Plays a major role in light-touch mechanosensation (PubMed:25471886).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226955