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Product datasheet for SC201725

STOML2 (NM_013442) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	STOML2 (NM_013442) Human 3' UTR Clone
Symbol:	STOML2
Synonyms:	HSPC108; SLP-2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_013442
Insert Size:	287 bp
Insert Sequence:	>SC201725 3'UTR clone of NM_013442 The sequence shown below is from the reference sequence of NM_013442. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GAGGAACTTGATCGAGTCAAGATGAGTTAGTGGAGCTGGGCTTGGCCAGGGAGTCTGGGAACAAGGAAG CAGATTTTCCTGATTCTGGCTCTAGCTTCCCTGCCAAGATTTTGGTTTTTATTTTTTTATTTGAACTTT AGTCGTGTAATAAACTCACCAGTGGCAAACCAGAAACTGTCCTCTTTGATTGGGGAATGAAGTTGGGAA AGTCACTAGCATTTTCCTTGGATCCAGTCCTGTCAGCATGATGCCTCCATGAATAAGAGTGAACTTCTT GTAAAGTGAAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_013442.3

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Summary: Mitochondrial protein that probably regulates the biogenesis and the activity of mitochondria. Stimulates cardiolipin biosynthesis, binds cardiolipin-enriched membranes where it recruits and stabilizes some proteins including prohibitin and may therefore act in the organization of functional microdomains in mitochondrial membranes. Through regulation of the mitochondrial function may play a role into several biological processes including cell migration, cell proliferation, T-cell activation, calcium homeostasis and cellular response to stress. May play a role in calcium homeostasis through negative regulation of calcium efflux from mitochondria. Required for mitochondrial hyperfusion a pro-survival cellular response to stress which results in increased ATP production by mitochondria. May also regulate the organization of functional domains at the plasma membrane and play a role in T-cell activation through association with the T-cell receptor signaling complex and its regulation.[UniProtKB/Swiss-Prot Function]

Locus ID: 30968

MW: 11