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Product datasheet for SC336507

SPATA18 (NM_001297608) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPATA18 (NM_001297608) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPATA18
Synonyms:	Mieap; SPETEX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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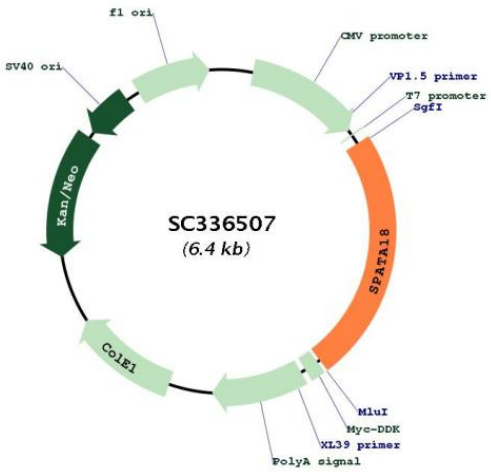
Fully Sequenced ORF:

>SC336507 representing NM_001297608.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGAAAACCTGAAAAGACTGGTCTCAAACGAAACTTTACGAACGTTGCAGGAAAAGCTAGACTTC
TGGCTGAAGGAGTACAACACAAACACGTGTGATCAAAATCTAAACCATTGCCTTGAACTCATTGAGCAA
GTTGCCAAGGTGCAGGGACAACTCTTTGGGATCCTCACAGCAGCAGCCCAAGAAGGAGGACGTAATGAT
GGTGTGGAAACAATCAAGTCACGCCTTTTGCCTTGGCTGGAGGCTTCCTTTACTGCTGCTTCCCTGGGA
AAATCTGTTGACAGCAAGGTCCCCTCTCTGCAGGACACGTTTGATAGGGAGAGACATAAAGATCCCAGT
CCTCGGGATCGGGATATGCAACAGTTAGACTCTAATTTGAACTCAACCCGGAGTCAATGCAACCAGGTT
CAAGACGAGCTTAAATCTCTTCAAGCTCAGGAGGATGCCCGCCACAGAAACACAGATCAGAGGAGCTCA
GAGAATAGGCGGTCAGAGCCTTGGAGCTTGGAGGAGCGGAAGCGTGAGCAGTGGAACTCACTCAAGCAG
AATGCAGACCAGCAGGACACAGAAGCCATGTCCGATTATAAGAAACAGCTCCGAAACCTGAAGGAGGAG
ATAGCTGTTCTGTCTGCTGAGAAAAGTGCACTCCAAGGAAGGTCCTCCAGGAGCCGGTCTCCCAGCCCT
GCCCCTCGCAGCCGTAGCTGCAGCCGCAGCAGATCTGCCAGCCCCTCCACCGCTGTCAAGGTCAGGAGA
CCGTCCCCAAACCGCTCCAAGCTGTCCAATGTGGCGCGCAAGGCTGCCCTCTTGTCCCGGTTCAGCGAT
TCCTATTCCCAGGCCCGCCTGGACGCGCAGTGCCTGCTGCGGCGCTGCATCGACAAGGCTGAGACCGTT
CAGCGGATCATCTACATCGCCACAGTGGAGGCATTCCATGTAGCAAAAATGGCATTCAGACACTTCAAG
ATCCATGTGAGAAAATCGTTGACACCATCTTATGTGGGGTCGAATGACTTTGAGAATGCTGTCTTGGAT
TATGTCATTTGTCATCTTGATCTATATGATTCTCAAAGCAGTGTCAATGATGTGATCCGAGCCATGAAT
GTCAATCCCAAGATTTCATTCCCTCCTGTCGTTGACTTTTGCCTTCTCAGTGACTTCATCCAGGAGATA
TGTTGCATTGCCTTTGCAATGCAGGCCTTAGAACCACCCCTAGATATTGCATATGGAGCAGATGGAGAA
GTTTTTAATGATTGCAAATACCGCCGCAGCTACGACTCGGATTTCACTGCTCCCTTAGTCCTCTATCAC
GTGTGGCCTGCTCTCATGGAGAATGACTGTGTCATTATGAAGGGAGAAGCTGTCACCAGGAGAGGGGCT
TTTTGGAATTCGGTGCGATCTGTAAGTCGTTGTCGAAGCAGGAGTTTAAGTCCCATTTGCCCCCGTAGC
CAAATTGGTTTAAACACGATGTCTCGAAGTCGGAGTCCTTCTCCAATAAGATGTGGATTGCCAAGATTT
TAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001297608

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Insert Size:	1521 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).
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_001297608.1
RefSeq Size:	4329 bp
RefSeq ORF:	1521 bp
Locus ID:	132671
UniProt ID:	Q8TC71
Cytogenetics:	4q12
MW:	57.5 kDa
Gene Summary:	This gene encodes a p53-inducible protein that is able to induce lysosome-like organelles within mitochondria that eliminate oxidized mitochondrial proteins, thereby contributing to mitochondrial quality control. Dysregulation of mitochondrial quality control is associated with cancer and degenerative diseases. The encoded protein mediates accumulation of the lysosome-like mitochondrial organelles through interaction with B cell lymphoma 2 interacting protein 3 and B cell lymphoma 2 interacting protein 3 like at the outer mitochondrial membrane, which allows translocation of lysosomal proteins to the mitochondrial matrix from the cytosol. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]

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