

Product datasheet for **SC300528**

MTP18 (MTFP1) (NM_001003704) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTP18 (MTFP1) (NM_001003704) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTP18
Synonyms:	HSPC242; MTP18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300528 representing NM_001003704. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCAGAGCCGAGCCGCGGGCGCAGAGCGGATCTCTACCGGACACGTGGGTGCGATACCTGGGC
TATGCCAATGAGGTGGGCGAGGCTTCCGCTCTCTTGCCAGCGCGGTGGTGTGGCTGAGCTATGGC
GTGGCCAGCTCCTACGTGCTGGCGGATGCCATTGACAAAGGCAAGAAGGCTGGAGAGGTCGGTGGATTT
CCTCCTGGACTCCAGCCTGCGCAAGCTCTACCAACAGTGGGAAGCCAGCTCCTCCTGATCATACTC
TGGTACCTGGCCTGTGCATCGGCCTCCTGCTTCATGTCAACCTCCTACTCCTGCCAGGGAATGTGGACA
CCTGGCTCCCTGGTGTCCAAGACCCTGGCACCTGGTGGGTTTGAGCTGGACAGAAGCTTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001003704
Insert Size:	408 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:	<ol style="list-style-type: none">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_001003704.2
RefSeq Size:	1065 bp
RefSeq ORF:	408 bp
Locus ID:	51537
UniProt ID:	Q9UDX5
Cytogenetics:	22q12.2
MW:	14.5 kDa
Gene Summary:	<p>MTP18 is a mitochondrial protein and downstream target of the phosphatidylinositol 3-kinase (see PIK3CA, MIM 171834) signaling pathway that plays a role in cell viability and mitochondrial dynamics (Tondera et al., 2004 [PubMed 15155745]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (2) lacks an alternate coding exon compared to variant 1, that causes a frameshift. The resulting isoform (b) is shorter and has a distinct C-terminus compared to isoform a.</p>