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Product datasheet for SC330644

MIS12 (NM_001258219) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: MIS12

Synonyms: 2510025F08Rik; hMis12; KNTC2AP; MTW1

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC330644 representing NM_001258219.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTCTGTGGATCCAATGACCTACGAGGCCCAGTTCTTTGGCTTCACGCCACAAACGTGCATGCTTCGG
ATCTACATTGCATTTCAAGACTACCTATTTGAAGTGATGCAGGCCGTTGAACAGGTTATTCTGAAGAAG
CTGGATGGCATCCCAGACTGTGACATTAGCCCAGTGCAGATTCGCAAATGCACAGAGAAGTTTCTTTGC
TTCATGAAAGGACATTTTGATAACCTTTTTAGCAAAATGGAGCAACTGTTTTTGCAGCTGATTTTACGT
ATTCCCTCAAACATCTTGCTTCCTGAAGATAAATGTAAGGAGACACCTTATAGTGAGGAAGATTTTCAG
CATCTCCAGAAAGAAATTGAACAGTTACAGGAGAAGTACAAGACTGAATTATGTACTAAGCAGGCCCTT
CTTGCAGAATTAGAAGAGCAAAAAATTGTTCAGGCCAAACTCAAACAGACGTTGACTTTCTTTGATGAG
CTTCATAATGTTGGCAGAGATCATGGGACTAGTGATTTTAGGGAGAGTTTAGTATCCCTGGTTCAGAAC
TCCAGAAAACTACAGAACATTAGAGACAATGTGGAAAAGGAATCGAAACGACTGAAAATATCTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001258219

Insert Size: 618 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).

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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001258219.1
RefSeq Size:	2437 bp
RefSeq ORF:	618 bp
Locus ID:	79003
UniProt ID:	Q9H081
Cytogenetics:	17p13.2
MW:	24.1 kDa
Gene Summary:	Part of the MIS12 complex which is required for normal chromosome alignment and segregation and for kinetochore formation during mitosis (PubMed:12515822, PubMed:15502821, PubMed:16585270). Essential for proper kinetochore microtubule attachments (PubMed:23891108).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (4) differs in the 5' UTR, compared to variant 1. Variants 1-5 encode the same protein.