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Product datasheet for SC122777

OIP5 (NM_007280) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OIP5 (NM_007280) Human Untagged Clone
Tag:	Tag Free
Symbol:	OIP5
Synonyms:	5730547N13Rik; CT86; hMIS18beta; LINT-25; MIS18B; MIS18beta
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_007280 edited
GAGCTGTGCTTGGGGCGGGGCCTGGCGTGTATTCGAAAGGAAGGCGCCGGCTGCGGGAAG
ATGGCGGCTCAGCCGCTGCGGCATCGCTCACGTTGTGCAACGCCGCCCCGGGGGGACTTT
TGTGGTGGCACTGAGAGGGCGATTGACCAAGCTTCTTTTACGACCTCCATGGAGTGGGAT
ACGCAGGTGGTGAAGGGGTCCTCGCCGCTCGGCCCCGCAGGGCTGGGGGCTGAGGAGCCA
GCCGCCGGCCCGCAGCTGCCGTCTTGGCTGCAGCCTGAGAGGTGCGCTGTGTTCCAGTGC
GCACAGTGTCACGCAGTGCTCGCCGACTCGGTGCACCTCGCCTGGGACCTGTCGCGGTCC
CTCGGGGCCGTGGTCTTCTCCAGAGTTACAAATAACGTCGTTTTGGAAGCGCCCTTCCTA
GTTGGCATTGAAGGTTCACTCAAAGGCAGTACTTACAACCTTTTATTCTGTGGTTCTTGT
GGGATTCCCGTTGGTTTCCATCTGTATTCTACCCATGCTGCCCTGGCTGCCTTGAGAGGT
CACTTCTGCCTTTCCAGTGACAAAATGGTGTGCTATCTCTTAAAAACAAAAGCCATAGTA
AATGCATCAGAGATGGATATTCAAAATGTTCCTCTATCAGAAAAGATTGCAGAGCTGAAA
GAGAAGATAGTGCTAACGCACAATCGCTTAAAATCACTAATGAAGATTCTGAGTGAAGTG
ACTCCTGACCAGTCCAAGCCAGAAAACTGATCCTGTACCAAAGCTTGAGTGTCAGGTTCA
GGCTTTATTGCTGTCTTCAACAACAGGTGCTGCTTAGTCATTTCTTGAAAAAGATTGGCT
TCAAGAATGGAGGGGAAATGCAGTTTCTATTTACCTTTAGGCTGATTTTCCAAATTATTT
GTGAAGCTGTTTTTAGAAGATGAGAGACTAAGGATTCTTCTCTTTTATAGCTATTTGCCT
TAAGAACTTACTTTAGATTCTTATTGAATTCATAATACTTATCTCTGAAAATGTCTTTGA
CTGTAAATTTAGGAATTAAGATGCAGAGTCCCATGTGTCCTCTGATCTAAAGTTGCATGG
TTGGTCTGAAAATAGAGTTGGGCTTAATGTTGACTTCTATTACTCCTGCATGGAGCAGTT
GTTATGAATACTAATACATCACTTTTTAACTTCTGTAAAATACAGATCATAATATTCTAT
AGGTAATGTTTAATAAATTGCCTGAATAATATACAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_007280 unedited
NNNNGGGGAAGTACATTTTTGTATACGACTCACTATAGGCGGCCGCGATTCATATCTGGT
ACCGGTCCGGAATTCCCGGGCTATCGTCGACCCACGCGTCCGGAGCTGTGCTTGGGGCGG
GGCCTGGCGTGTATTCGAAAGGAAGGCGCCGGCTGCGGGAAGATGGCGGCTCATCCGCTG
CGGCATCGCTCACGTTGTGCAACGCCGCCCCGGGGGGACTTTTGTGGTGGCACCGAGAGG
GCGATTGACCAAGCTTCTTTTACGACCTCCATGGAGTGGGATACGCAGGTGGTGAAGGGG
TCCTCGCCGCTCGGCCCCGCAGGGCTGGGGGCTGAGGAAGCCAGCCGCCGGCCCGCAGCT
GCCGTCTTGGCTGCAGCCTGAGAGGTGCCGCTGTGTTCCAGTGCGCACAGTGTCACGCAG
TGCTCGCCGACTCGGTGCACCTCGCCTGGGACCTGTCGCGGTCCCTCGGGGCCGTGGTCT
TCTCCAGAGTTACAAATAACGTCGTTTTGGAAGCGCCCTTCCTAGTTGGCATTGAAGGTT
CACTCAAAGGCAGTACTTACAACCTTTTATTCTGTGGTTCTTGTGGGATTCCCGTTGGTT
TCCATCTGTATTCTACCCATGCTGCCCTGGCTGCCTTGAGAGGTCACTTCTGCCTTTCCA
GTGACAAAATGGTGTGCTATCTCTTAAAAACAAAAGCCATAGTAAATGCATCAGAGATGG
ATATTCAAAATGTTCCTCTATCAGATAAGATTGCAGAGCTGANAGAGAAGATAGTGCTAA
CGCACAATCGCTTAAAATCACTAATGAAGATTCTGAGTGAAGTGACTCCTGACCAGTCCA
AGCCAGATACTGATCCTGTACCAATGCTTGAGTGTCAAGTTCAGGGCTTATTGCTGTCTT
CACAA
```

Restriction Sites: Please inquire

ACCN: NM_007280

Insert Size: 690 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_007280.1, NP_009211.1

RefSeq Size: 1249 bp

RefSeq ORF: 690 bp

Locus ID: 11339

UniProt ID: O43482

Cytogenetics: 15q15.1

Gene Summary: The protein encoded by this gene localizes to centromeres, where it is essential for recruitment of CENP-A through the mediator Holliday junction recognition protein. Expression of this gene is upregulated in several cancers, making it a putative therapeutic target. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).