

Product datasheet for MR205653

Oscp1 (NM_172701) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oscp1 (NM_172701) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Oscp1
Synonyms:	1810007P19Rik; 5730415O04; 6030436A01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205653 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGTTCGGACTCTGCCGCTCTTTTTGAACTTGGGCGGGGAGATGCTTTACGTCCTAGACCAGC
GACTGAGGGCCAGAACATCCCCGAGACAAGGCCGCAAAGTTCTGAACGACATCATTTCAACCATGTT
CAACAGGAAGTTCATGGACGAAGTTCAAACCCAGGAGCTGTACTCCAAGAAGCCTTGGGACTGTG
TATGACCCCTGGCTCATGCCTCCATCATGCGACTGAACCAGGCCAGCATGGATAAGCTCTACGACCTGA
TGACCATGGCTTTCAAATATCAAGTGCTGCTGTGTCCACGCCCAAGGACGTGTTGCTGGTCACTTTCAA
CCACTTAGACGCCATCAAGGGTTTTGTCCAAGACTCTCCACCGTCATACATCAGGTGGACGAGACCTTC
CGGCAGCTGTGAGAAGTGTATGGGAAGCTCTGAAGGGGAGTCCAGCTGATCCGGCAGACACTGCTCA
ACTTCTTCCAAGACCTGCATATCCGAGTGTCCACATTTCTAAAGGACAAAGTTCAGAACTCTAATGGTGC
CTTTGTGTTGCCAGTGTCCGGGCCTGTTCCCTGGGGAAGTGAAGTTCTGGAGTCAATAGAGTGTTCAGT
GTCAAAGGCAAAGAGGTGAAGAAGATGAAATCCGGCATGGCGGAGACTATGTTGCTGCCAGAAGGAAG
GTTCTTTGAGCTTTATGGAGACCGAGTCTTGAAGTGGAACTAACATGTACAGTGCAGTGCCTGT
GGAAACCCACATGTCTGCAACATCCAAGAACGCAGCCTCCAGGGCACAGGAAAACATTGTTCAAACCT
CTTGCCAAAGAAGAGCTGAATTTCTGGCCAGGCTAATGGGAGGATGGAGATCAAGAAGCCGAGTGGCC
CTGAACCAGGATCCGACTGAATCTGTTTACGACCGATGAGGAAGAGGAACCGCAGCACTGTCCAGGCC
GGAGGAGTTGCTATGAAGTATCAGCATAACAGGCTACACAGGACCAGCAACGGAATGAGGAGTTGGCC
CGGATCATGGGTGAGTTTGGATCACAGAGCAGCTGGAGCAGAACACCAGTAAGGGAGACGACTTGTGG
CCATGATGGACAGGTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205653 protein sequence
 Red=Cloning site Green=Tags(s)

MSVRTLPLLFLNLGGEMLYVLDQRLRAQNI PGDKARKVLNDIISTMFNRKFMDELFKPQELYSKKALRTV
 YDRLAHASIMRLNQASMDKLYDLMTMAFKYQVLLCPRPKDVLVTFNHLDAIKGFVQDSPTVIHQVDETF
 RQLSEVYGKLGSEGEFQLIRQTLNFFQDLHIRVSTFLKDKVQNSNGRFVLPVSGPVPWGTEVPGVIRVFS
 VKGKEVKMKFRHGGDYVAAQKEGSFELYGDRVLKLGTMNYSASRPVETHMSATSKNAASRAQENI VNP
 LAKEELNFLARLMGGMEIKKPSGPEPGFRLNLF TDEEEEHAALSRPEELSYEVISIQATQDQQRNEELA
 RIMGEFEITEQLEQNTSKGDDLLAMMDRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_172701

ORF Size: 1140 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_172701.3](#)

RefSeq Size: 2152 bp

RefSeq ORF: 1140 bp

Locus ID: 230751

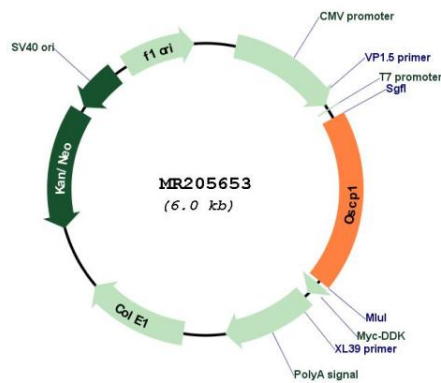
UniProt ID: [Q8BHW2](#)

Cytogenetics: 4 D2.2

MW: 43.2 kDa

Gene Summary: May be involved in drug clearance in the placenta.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205653