

Product datasheet for **RR205413**

Oscp1 (NM_001029923) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Oscp1 (NM_001029923) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Oscp1
Synonyms: RGD1306596
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205413 representing NM_001029923
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCGGTGCGGACTCTGCCGTGCTCTTCTTGAACCTAGGTGGGGAGATGCTTTACGTCCTAGACCAGC
GACTGAGGGCCCAGAACATCCCGGAGACAAGGCCGCAAAGTTCTGAACGACATCATTTCAACCATGTT
CAACAGGAAGTTCACAGAGGAGCTGTTCAAACCCAGGAGCTGTACTCCAAGAAGCCTTGAGGACTGTG
TACGACCGCTAGCTCATGCCTCCATCATGCGACTGAACCAAGCCAGCATGGATAAGCTCTATGACTGA
TGACCATGGCTTTCAAATATCAAGTGTGCTGTGCCACGCCCAAGGACGTGCTGCTGGTCACTTTCAA
CCATTTAGACTCCATCAAGGGTTTCATCCAAGACTCACCAACCATCATCCATCAGGTGGACGAGACCTTC
CGGCAGCTGACAGAAATCTACGGGAGTCTCTGCCGGGGAGTTCAGCTGATCCGGCAGACACTGCTTA
TCTTCTTCCAAGACCTGCATATCCGAGTGTCCACATTTCTAAAGGACAAAGTTCAGAATTCTAATGGTGC
CTTTGTGTTGCCAGTGTCCGGGCCTGTTCCCTGGGGAATAGAAGTTCCTGGAGTCATTAGAGTGTCAAT
GACAAAGGTGACGAGGTGAAGAGGATGGAATCCGGCACGGTGGGACTATGTTGCTGCCACAAGGAAG
GTTCTTTGAGCTTTATGGAGACCGAGTCTTGAACCTGGAACTAACATGTACAGTGCAGTCCGCTGT
GAAACCCATATGCTGCAACATCAAAGAACTCAGCCTCAGGGCACAGGAAAACATTGCTCCAAACCT
CTTGCCAAAGAAGAACTGAATTTCTTGCCAGGCTAATAGGAGGGATGGAGATCAAGAAGCCAAGTGCC
CTGAACCAAGGATCCGACTGAATCTGTTTACCACCGATGAGGAAGAGGAACATGCAGCGCTGTCTCGCC
CGAGGAGTTATCCTATGAAGTATCAGCATACAGGCCACACAGGACCAGCAACGGAGTGAGGAGTTGGCC
CGGATCATGGAGGAGTTGAGATGACAGAGCAGCCGGAGCGGAACACAAGCAAGGGAGATGACTTGTGG
CCATGATGGACAGGTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205413 representing NM_001029923
 Red=Cloning site Green=Tags(s)

MSVRTLPLLFLNLGGEMLYVLDQRLRAQNI PGDKARKVLNDIISTMFNRKFTEELFKPQELYSKKALRTV
 YDRLAHASIMRLNQASMDKLYDLMTMAFKYQVLLCPRPKDVLVTFNHLDSIKGFIQDSPTIIHQVDETF
 RQLTEIYGSL SAGEFQLIRQTL IFFQDLHIRVSTFLKDKVQNSGRFVLPVSGPVPWGIEVPGVIRVFN
 DKGDEVKRMEFRHGGDYVA AHKEGSFEL YGDRVLKLGTMNYSASRPVETHMSATSKNSASRAQENIAPNP
 LAKEELNFLARLIGGMEIKKPSGPEPGFRLNLF TTDEEEHAALSRPEELSYEVISIQATQDQQRSEELA
 RIMEEFEMTEQPERNTSKGDDLAMMDRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

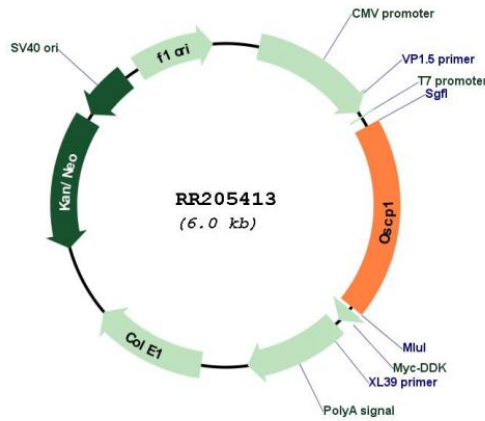
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001029923

ORF Size:	1137 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:	<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_001029923.1 , NP_001025094.1
RefSeq Size:	1418 bp
RefSeq ORF:	1140 bp
Locus ID:	362595
UniProt ID:	Q4QQS3
Cytogenetics:	5q36
MW:	43.3 kDa
Gene Summary:	May be involved in drug clearance in the placenta.[UniProtKB/Swiss-Prot Function]