

Product datasheet for **MC209127**

Osm (NM_001013365) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Osm (NM_001013365) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Osm
Synonyms:	OncoM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209127 representing NM_001013365 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGACACGGCTTCTAAGAACACTGCTCAGTTTGACCCTCAGTCTCCTCATCCTGAGCATGGCACTGG
CCAATCGTGGCTGCTCCAACCTTCTCTCAGCTCCTCAGCCAGCTGCAGAATCAGGCGAACCTCACGGG
GAACACAGAATCACTCTGGAGCCCTATATCCGCCTCCAAAACCTGAACACACCTGACCTGAGAGCTGCC
TGCACCCAGCACTCTGTGGCCTTCCCAGTGAGGACACACTCCGGCAACTGAGCAAGCCTCACTTCTGA
GCACTGTGTACACCACACTGGACAGAGTCTGTACCAACTGGATGCTTTAAGACAGAAATTTCTGAAGAC
TCCGGCTTTTCCAAAGCTGGACAGTGCCCGGCACAATATCCTCGGCATAAGGAACAATGTTTTCTGCATG
GCCCGGTGCTCAACCACTCCCTGGAGATACCTGAGCCCACACAGACAGACTCTGGGGCCTCACGGTCCA
CTACAACACCAGATGTCTTTAATACCAAGATAGGCAGCTGTGGCTTTCTCTGGGGATACCATCGTTTCAT
GGGCTCAGTGGGGAGGGTCTTCAGGGAATGGGACGATGGCTCCACACGCAGCCGGAGACAGACCCCGCTC
CGGGCCCGCGCAAGGGAACCCGCAGAATCCGGTCCGGCACAAGGGAACCCGCAGAATCCGGTCCGGC
GCAAGGGAACCCGCAGAATCTGGTCCGGCGCAAGGGATCCCAGAAAATCAGACCTTCCAGGAGCACCCA
GAGCCCGACGACCAGGGCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001013365
Insert Size:	792 bp



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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:	<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_001013365.2 , NP_001013383.1
RefSeq Size:	1907 bp
RefSeq ORF:	792 bp
Locus ID:	18413
UniProt ID:	P53347
Cytogenetics:	11 2.94 cM
Gene Summary:	Growth regulator. Inhibits the proliferation of a number of tumor cell lines. It regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells (By similarity). Uses only type II OSM receptor (heterodimers composed of OSMR and IL6ST). Involved in the maturation of fetal hepatocytes, thereby promoting liver development and regeneration (By similarity).[UniProtKB/Swiss-Prot Function]