

Product datasheet for **RR206927**

Arsi (NM_001047881) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arsi (NM_001047881) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arsi
Synonyms:	RGD1310242
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR206927 representing NM_001047881
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCATGCCCTCTCAGGATTCTCTTGTGACGCTACTCAGTTTGGGCTACCTGTCTGGGATTGGCCA
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Protein Sequence:

>RR206927 representing NM_001047881
 Red=Cloning site Green=Tags(s)

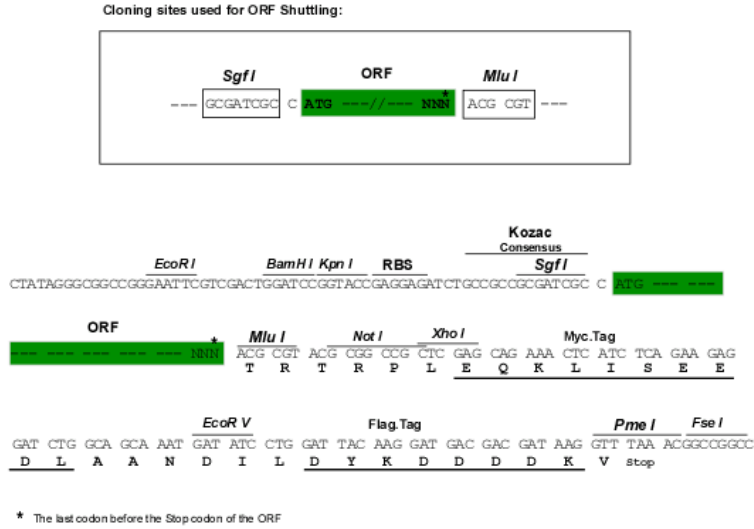
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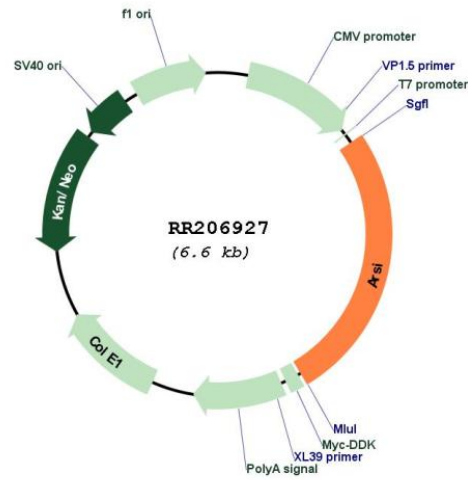
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001047881
 ORF Size: 1719 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_001047881.1 , NP_001041346.1
RefSeq Size:	1722 bp
RefSeq ORF:	1722 bp
Locus ID:	307404
UniProt ID:	Q32KJ8
Cytogenetics:	18q12.1
MW:	64.4 kDa
Gene Summary:	Displays arylsulfatase activity at neutral pH, when co-expressed with SUMF1; arylsulfatase activity is measured in the secretion medium of retinal cell line, but no activity is recorded when measured in cell extracts.[UniProtKB/Swiss-Prot Function]