

## Product datasheet for SC309016

### ROS1 (NM\_002944) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ROS1 (NM_002944) Human Untagged Clone
Tag:	Tag Free
Symbol:	ROS1
Synonyms:	c-ros-1; MCF3; ROS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309016 representing NM_002944. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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- Restriction Sites:** SgfI-MluI
- Plasmid Map:**
- ACCN:** NM\_002944
- Insert Size:** 7044 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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\\_002944.2](#)

**RefSeq Size:** 7368 bp

**RefSeq ORF:** 7044 bp

**Locus ID:** 6098

**UniProt ID:** [P08922](#)

**Cytogenetics:** 6q22.1

**Protein Families:** Druggable Genome, Protein Kinase, Transmembrane

**MW:** 263.9 kDa

**Gene Summary:** This proto-oncogene, highly-expressed in a variety of tumor cell lines, belongs to the sevenless subfamily of tyrosine kinase insulin receptor genes. The protein encoded by this gene is a type I integral membrane protein with tyrosine kinase activity. The protein may function as a growth or differentiation factor receptor. [provided by RefSeq, Jul 2008]