

# Product datasheet for RG204083

## SMOC1 (NM\_001034852) Human Tagged ORF Clone

### **Product data:**

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Product Type:	Expression Plasmids
Product Name:	SMOC1 (NM_001034852) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SMOC1
Synonyms:	OAS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling:
	Sg11 ORF Miu I

CGATCGC

---- GAA GAA AGA GAT TAA ACGCCCGCCGCGGAGCT - E E R V Stop

BamH I Kpn I

HIND III Nhe I Rsr II MIU I Not I GFP Tag CAAGCTTAACTAGCTAGCGGACCG ACG CGT ACG CGG CCG GAC ATG GAG AGC GAC T R T R P L E M E S D

RBS

EcoR I

ACG CGT

Kozac Consensus Sgf I

Asc I

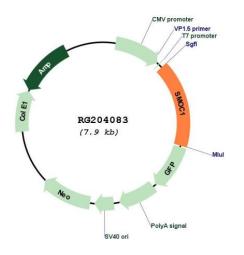
#### OriGene Technologies, Inc.

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#### Plasmid Map:



ACCN:	NM_001034852
ORF Size:	1305 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. <u>More info</u>
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> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 001034852.3</u>

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	SMOC1 (NM_001034852) Human Tagged ORF Clone – RG204083
RefSeq Size:	3684 bp
RefSeq ORF:	1308 bp
Locus ID:	64093
UniProt ID:	<u>Q9H4F8</u>
Cytogenetics:	14q24.2
Protein Families	: Secreted Protein
Gene Summary:	This gene encodes a multi-domain secreted protein that may have a critical role in ocular and limb development. Mutations in this gene are associated with microphthalmia and limb anomalies. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]

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