

## Product datasheet for **RG209781**

### USP36 (NM\_025090) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	USP36 (NM_025090) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	USP36
Synonyms:	DUB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209781 representing NM_025090 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAATAGTGGATAAGTTGAAGGAGGCCCTGAAACCCGGCCGCAAGGACTCGGCTGATGATGGAGAAC  
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AGGAATGGCTCCACCCTGGGCCTGAAGTCCCAGAACGGCTGCATTCTCCAAAGCTGCCCTCGGGTCCC  
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 AAGAGTTTGACCGAGGGAAGGAAAAAATAAAAAATTAAGAGAGAGAAGAGGAGAACTTCAACGC  
 CTTCCAGAAACTTCAGACTCGACGGAATTCTGGTCTGTGACTCACCCAGCAAAGGCTGCCAGCCTCAGC  
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AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

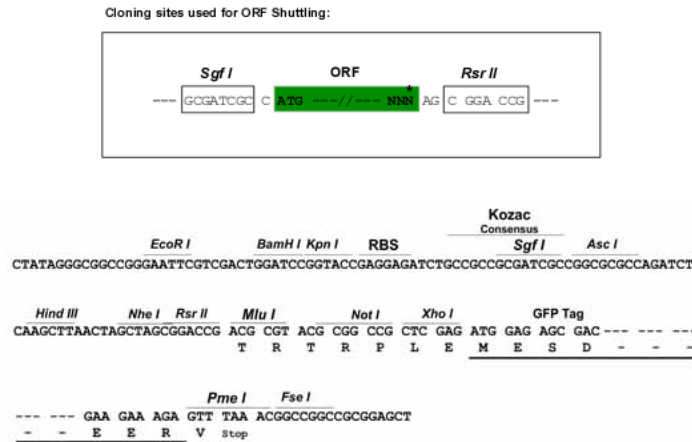
>RG209781 representing NM\_025090  
 Red=Cloning site Green=Tags(s)

MPIVDKLKEALKPGRKDSADDGELGKLLASSAKVLLQKIEFEPASKSFSYQLEALKSKYVLLNPKTEGA  
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 LRIPGSKKSPEGLISRTGSSSLPGRPSVIPDHSKKNIGNGISSPLTGKRQDSGTMKKPHTTEEIGVPI  
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 YRR

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



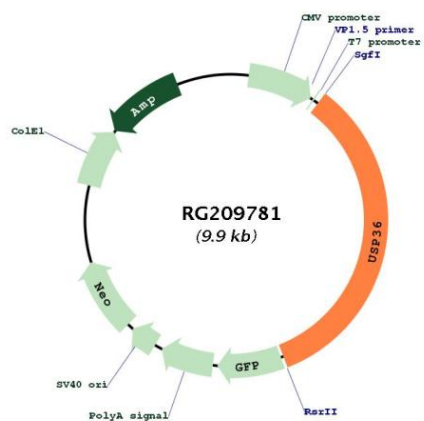
ACCN: NM\_025090

ORF Size: 3369 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_025090.3</a> , <a href="#">NP_079366.3</a>
<b>RefSeq Size:</b>	5234 bp
<b>RefSeq ORF:</b>	3372 bp
<b>Locus ID:</b>	57602
<b>Cytogenetics:</b>	17q25.3
<b>Domains:</b>	UCH
<b>Protein Families:</b>	Druggable Genome, Protease
<b>Gene Summary:</b>	This gene encodes a member of the peptidase C19 or ubiquitin-specific protease family of cysteine proteases. Members of this family remove ubiquitin molecules from polyubiquitinated proteins. The encoded protein may deubiquitinate and stabilize the transcription factor c-Myc, also known as MYC, an important oncoprotein known to be upregulated in most human cancers. The encoded protease may also regulate the activation of autophagy. This gene exhibits elevated expression in some breast and lung cancers. [provided by RefSeq, Mar 2016]

Product images:



Circular map for RG209781