

## Product datasheet for **MG202783**

### Ropn1l (NM\_145852) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ropn1l (NM_145852) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ropn1l
Synonyms:	Akapasp; ASP; AV047578
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202783 representing NM_145852 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCGCTGCCCGACACCATGTTCTGCGCGCAGCAGATCCACATCCCCCGGAGCTGCCGGACATCCTCA  
AGCAGTTCACCAAGGCTGCCATCCGTACGCAGCCGGCGGACGTGCTGCAGTGGTCGGCGGGTATTTTTC  
AGCCCTGTCCAGAGGAGACCCACTTCTGTAAAGGACAGAATTGAAATGCCTGTGGCCACACAGAAGACT  
GACACAGGCTGACCCAGGGACTCCTGAAAGTCTGCACAAGCAGTGTAGCCACAAGCAATATGTGGAGT  
TAGCAGATCTTGAGAAGAAGTGAAAAATTTGTGCCTGCCAGTAGAAAAGCTCAGAACGATCCTGGAGCT  
GGATCCATGTGAGGACAAAATAGAGTGGATCAAGTTTTTAGCGCTCGGATGCAGCTCCCTGGGCAGGACC  
CTGAACACGGCCATGAAGAACGTGTGTGAGATCCTCACCTCTGACCCGGAGGGCGGGCTGCTCGCATCC  
CCTTTGAAACCTTTGCCTATGTTTACCAGTACTTGTCTGGACTGGACCCAGAACTCCCGCCGTGGAGAC  
CGAGAACTATCTTACCAGTTTAAGACTGATGTCAGAATCTAGAAAAGATGGCATGATAGGACTTTCGGAC  
TTCTTCGTTGAAAAAAGATAATA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG202783 representing NM\_145852  
Red=Cloning site Green=Tags(s)

MPLPDTMFCAQQIHIPPELDPILKQFTKAAIRTQPADVLQWSAGYFSALSRGDPLPVKDRIEMPVATQKT  
 DTGLTQGLLKVLHKQCSHKQYVELADLEKKWKNLCLPVEKLRITILELDPCEDKIEWIKFLALGCSSLGRT  
 LNTAMKNVCEILTSDPEGGPARIPFETFAYVYQYLSGLDPELPAVETENYLTSLRLMSERSRKNMIGLSD  
 FFVGGKII

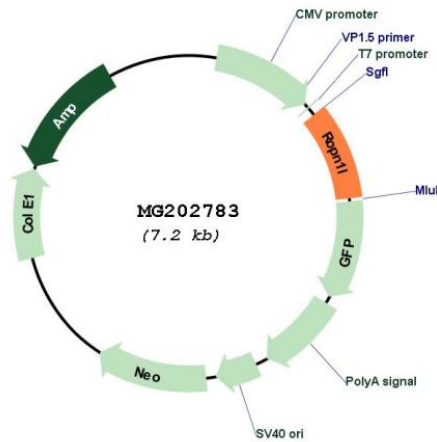
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_145852

**ORF Size:** 654 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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_145852.2</a> , <a href="#">NP_665851.2</a>
<b>RefSeq Size:</b>	910 bp
<b>RefSeq ORF:</b>	657 bp
<b>Locus ID:</b>	252967
<b>UniProt ID:</b>	<a href="#">Q9EQ00</a>
<b>Cytogenetics:</b>	15 B2
<b>Gene Summary:</b>	Important for male fertility. With ROPN1, involved in fibrous sheath integrity and sperm motility, plays a role in PKA-dependent signaling processes required for spermatozoa capacitation.[UniProtKB/Swiss-Prot Function]