



**Protein Sequence:** >MG205652 representing NM\_013642  
 Red=Cloning site Green=Tags(s)

MVMEVGILDAGGLRALLREGAAQCLLLDCRSFFAFNAGHIAGSVNVRVSTIVRRRAKGMGLEHIVPNAE  
 LRGRLLAGAYHAVVLLDERSASLDGAKRDGTLALAAGALCREARSTQVFFLQGGYEAFSASCPCLCSKQS  
 TPTGLSLPLSTSVPDSAESGCSSCSTPL YDQGGPVEILSFLYLGSAYHASRKDMLDALGITALINVSANC  
 PNHFEGHYQYKSI PVEDNHKADISSWFNEAIDFIDSIKDAGGRV FVHCQAGISRSATICLAYLMRTNRVK  
 LDEAFEFVKQRRSII SPNFSFMGQLLQFESQVLAPHCSAEAGSPAMAVLDRGTSTTTVFNFVPSIPVHPT  
 NSALNYLKSPITTPSC

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_013642

**ORF Size:** 1101 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:**

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\\_013642.1](#), [NP\\_038670.1](#)

**RefSeq Size:** 1933 bp

**RefSeq ORF:** 1104 bp

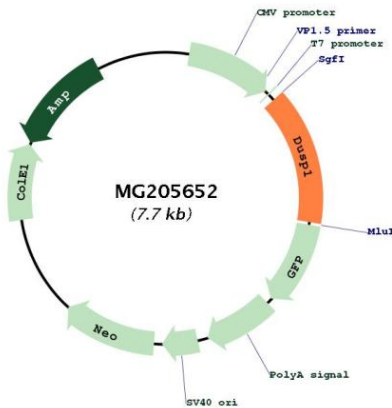
**Locus ID:** 19252

**UniProt ID:** [P28563](#)

**Cytogenetics:** 17 13.28 cM

**Gene Summary:** Dual specificity phosphatase that dephosphorylates MAP kinase MAPK1/ERK2 on both 'Thr-183' and 'Tyr-185', regulating its activity during the meiotic cell cycle.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG205652