

## Product datasheet for **MG225747**

### Plau (NM\_008873) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Plau (NM_008873) Mouse Tagged ORF Clone                                     |
| Tag:                      | TurboGFP  |
| Symbol:                   | Plau  |
| Synonyms:                 | u-PA; uPA   |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)   |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| ORF Nucleotide Sequence:  | >MG225747 representing NM_008873<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAGTCTGGCTGGCGAGCCTGTTCTCTGCGCCTTGGTGGTAAAACTCTGAAGGTGGCAGTGTAC  
TTGGAGCTCCTGATGAATCAAAGTGTGGCTGTGAGAACGGAGGTGTATGCGTGTCTACAAGTACTTCTC  
CAGAATTCGCGGATGCAGCTGCCAAGGAAATTCAGGGGAGCACTGTGAGATAGATGCATCAAAAACC  
TGCTATCATGAAATGGTACTTTACCGAGGAAAGGCCAACACTGATACCAAAGGTCGGCCTGCCTGG  
CCTGGAATGCGCCTGCTGTCCTTCAGAAACCCTACAATGCCACAGACCTGATGCTATTAGCCTAGCCT  
GGGAAACACAATTACTGCAGGAACCTGACAACCAGAAGCGACCTGGTGTATGTGCAGATTGGCCTA  
AGGCAGTTTGTCCAAGAATGCATGGTGCATGACTGCTCTTTAGCAAAAAGCCTTCTTCTGTAGACC  
AACAAAGCCTTCCAGTGTGGCCAGAAGGCTTAAGGCCCGCTTTAAGATTGTTGGGGGAGAATCACTGA  
GGTGGAGAACCAGCCCTGGTTCGCAGCCATCTACCAGAAGAACAAGGAGGAAGTCTCCCTCCTTTAAA  
TGTGGTGGGAGTCTCATCAGTCTTGTGGGTGGCCAGTCCGCACACTGCTTCACTCACTCCAAAGA  
AGGAAACTACGTTGTCTACCTGGTCAAGGAGAGCTCCTATAATCCTGGAGAGATGAAGTTTGA  
GGTGGAGCAGTCACTTGCACGAATACTACAGGAAGACAGCCTGGCCTACCATAATGATATTGCCTTG  
CTGAAGATACGTACCAGCAGGGCCAATGTGCACAGCCATCCAGTCCATACAGACCATCTGCCTGCCCC  
CAAGTTTTACTGATGCTCCGTTTGGTTCAGACTGTGAGATCACTGGCTTTGGAAAAGAGTCTGAAAGTGA  
CTATCTCTATCCAAGAACCAGAAATGTCGTCGTAAGCTTGTCTCATGAACAGTGTATGCAGCCC  
CACTACTATGGCTCTGAAATTAATTATAAAATGCTGTGTGCTGCGGACCCAGAGTGGAAAACAGATTCT  
GCAAGGGCGATTCTGGAGGACCGCTTATCTGTAACATCGAAGGCCGCCAACTCTGAGTGGGATTGTGAG  
CTGGGGCCGAGGATGTGCAGAGAAAAACAAGCCCGGTGTCTACACGAGGGTCTCACACTTCTGGACTGG  
ATTCAATCCACATTGGAGAAGAGAAAGGTCTGGCCTTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225747 representing NM\_008873  
 Red=Cloning site Green=Tags(s)

MKVWLASLFLCALVVKNSEGGSVLGAPDESNGCGQNGGVCVSYKYFSRIRRCSCPRKFQGEHCEIDASKT  
 CYHNGDSYRGKANTDTKGRPCLAWNAPAVLQKPYNAHRPDAISLGLGKHNYCRNPDNQKRPWCYVQIGL  
 RQFVQECMVHDCSLSKKPSSSSVDQQGFQCGQKALRPRFKIVGGEFTEVENQPWFAAIYQKNKGGSPFSK  
 CGGSLISPCWVASAAHCFIQLPKKENYVVYLQSKSESSYNPGEMKFEVEQLILHEYYREDSLAYHNDIAL  
 LKIRTSTGQCAQPSRSIQTIICLPPRFDTAPFGSDCEITGFGKESESDYLYPKNLKMSVVKLVSHEQCMQP  
 HYYGSEINYKMLCAADPEWKTDSCKGDSGGPLICNIEGRPTLSGIVSWGRGCAEKNKPGVYTRVSHFLDW  
 IQSHIGEELGLAF

TRTRPLE - GFP Tag - V

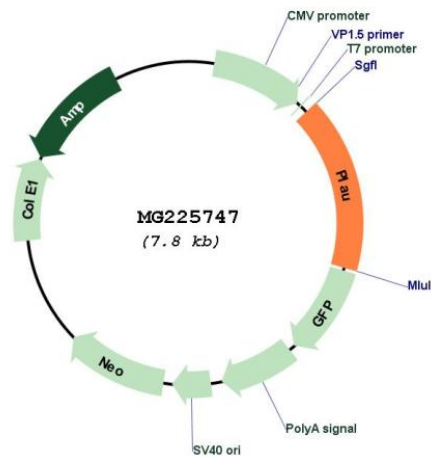
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_008873

|                               |   |
|-------------------------------|---|
| <b>ORF Size:</b>              | 1299 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_008873.3</a> , <a href="#">NP_032899.1</a>   |
| <b>RefSeq Size:</b>           | 2343 bp   |
| <b>RefSeq ORF:</b>            | 1302 bp   |
| <b>Locus ID:</b>              | 18792   |
| <b>UniProt ID:</b>            | <a href="#">P06869</a>  |
| <b>Cytogenetics:</b>          | 14 11.53 cM   |
| <b>Gene Summary:</b>          | Specifically cleaves the zymogen plasminogen to form the active enzyme plasmin.<br>[UniProtKB/Swiss-Prot Function]  |