

Product datasheet for **MG207655**

Ppox (NM_008911) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppox (NM_008911) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ppox
Synonyms:	Ppo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207655 representing NM_008911
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCCGGACTGTGATAGTACTTGGCGGAGGTATCAGTGGATTGGCCGCAAGTTATCATCTGATCCGAG
 GCCCAGTCTCCTAAGGTGATCTTAGTGGAGGGCAGCAAGCGTTTGGGAGGATGGATCCGCTCAATCCG
 AGGATCAGATGGTGAATCTTTGAACTTGACCTCGAGGGATTAGGCCGGCTGGAGCCCTGGGAGCCCGG
 ACCCTGTCTCTGGTTTCTGAACTTGGCTTGGAGTCTGAAGTCTTGCTGTCCGAGGGGATCACCCAGCTG
 CCCAGAACAGGTTCTGTATGTAGGCGGTACCCTGCACCCTTACCCTCCGGCCTCAGGGGGCTACTCCG
 TCCTTACCCCCCTTCTCAAACCTCTGTTTTGGGCTGGGCTGAGGGAGTTGCTGAAACCCAGGGGCAAA
 GAGCCTGATGAACTGTGCACAGTTTTGCCAGCGCCGCTTGGACCTGAGGTGGCGTCTTAGCCATGG
 ACAGTCTTGGCCAGGAGTGTGCTGGCAACAGCCAGGAGCTCAGCATCCGGTCTGCTTCCAGTCT
 CTTCCAAGCTGAACAAACCCACCGTCCATATTGCTGGGCTGCTGCTGGGCGCAGGACAGAGTCCCGAG
 CCGGATTCCTCAATAATTCGTCAGGCCCGGGCTGAGCGATGGAGCCAGTGGTCACTCCGTGGAGGGCTGG
 AGGTGTTGCCCGAGGCTTTCACAATCACCTAGCAAGTAAAGGGGTCACTGTCCTCAGTGGGCAGCCAGT
 CTGTGGGCTCAGCCTTACGCCAGAAGGGCGCTGGAAGGTGCTCTAGGGGACAGCAGTCTGGAGGCTGAC
 CACATTAAAGTGCCATTCAGCTTACAGAGCTCAGCAAGCTGCTCCCTGCCGAGGCTGCACCTTAGCTC
 GAATCCTGAGTACCATCAAGGCAGTGTCTGTTGCTGTGGTGAATCTGCAGTACCGAGGAGCTTGTCTGCC
 TGTCAGGATTTGGACATTTGGTGCCATCGTCAGAAGACCCGACTGTCTGGGAATTGTGTACGACTCG
 GTGGCTTTTCTGAACAGGATGGGAACCCCAAGCCTCAGAGTACTGTATGTTGGGAGGTTACTGGC
 TACAGAAGCTAAAAGCTGCGGGCCACCAACTGTCTCCAGAGCTGTTCCAGCAACAAGCCAGGAGGCGAC
 CGCCACACAGTTAGGACTAAAAGAACCACCGAGTCACTGCCTGGTCCATCTACACAAGAAGTGTATCCCT
 CAGTATACAATAGGCCACTGGCAAAAAGTACTCAGCTATGCAATTCCTGACGGCCAGAGGTTGCCCC
 TGACTTTGGCTGGAGCCTCCTATGAGGGGTTGCTGTCAATGACTGTATAGAGAGTGGGCGCCAGGCAGC
 AGTTGCTGCTCGGGCACAGAATCTAACAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207655 representing NM_008911
 Red=Cloning site Green=Tags(s)

MGRTVIVLGGGISGLAASYHLIRGPSPPKVILVEGSKRLGGWIRSIIRGSDGAI FELGPRGIRPAGALGAR
 TLLL VSELGLESEVLPVRGDHPAAQNRFLYVGGTLHPLPSGLRGLLRPSPPF SKPLFWAGLRELLKPRGK
 EPDET VHSFAQRRLGPEVASLAMDSL CRGVFAGNSQEL SIRSCFPSLFQAEQTHRSILLG LLLGAGQSPQ
 PDS S LIRQARAERWSQWSLRGGLEVL PQALHNHLASKGVTVLSGQPVCGLSLQPEGRWKVSLG DSSLEAD
 HIISAIPASELSKLLPAEAAPLARILSTIKAVSVAVVNLQYRGA CLPVQGFGLVPSSEDP TVLGIVYDS
 VAFPEQDGNPPSLRVTVMLGGYWLK LKAAGHQLSPELFQQQAQEA AATQLGLKEPPSHCLVHLHKNCIP
 QYTI GHWQKLDSAMQFLTAQRLPLTLGAS YEGVAVNDCIESGRQA AVAVLGTESNS

TRTRPLE – GFP Tag – V

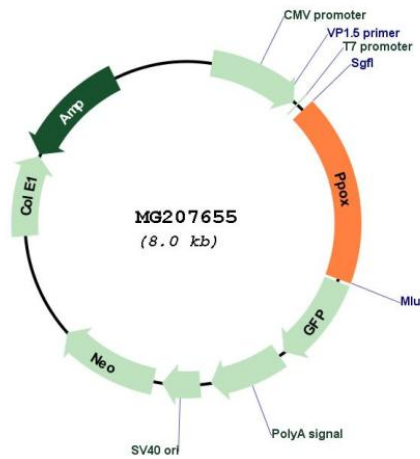
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008911

ORF Size: 1431 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_008911.2](#), [NP_032937.1](#)

RefSeq Size: 1821 bp

RefSeq ORF: 1434 bp

Locus ID: 19044

UniProt ID: [P51175](#)

Cytogenetics: 1 H3

Gene Summary: Catalyzes the 6-electron oxidation of protoporphyrinogen-IX to form protoporphyrin-IX.
[UniProtKB/Swiss-Prot Function]