

Product datasheet for **MG211426**

Hps3 (NM_080634) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Hps3 (NM_080634) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Hps3 |
| Synonyms: | coa |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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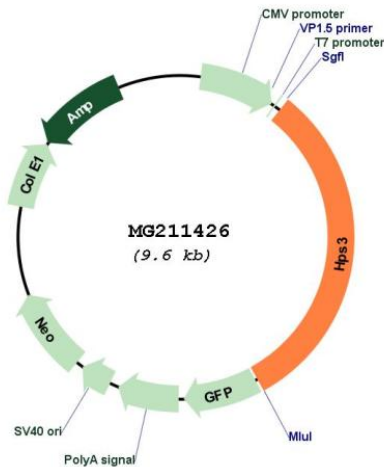
ORF Nucleotide Sequence:

>MG211426 representing NM_080634
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGCCTGTGTACAACCTGCACCCGTTTGGGTGCGCAGCAGGTAGTCCCCTGCCAGTGGGAGCCGGAGC
 AGGTCTGCTGCGGCGGGAGCGACGCGCTGTTCTGGCTGCCGGCTGCAAGGTGGAGGCGTTCGCTGTTC
 GGGCGAAGAGCTGTGCCGCGAGCCTGCCCTTCTCCACGCTAGGCAGGGTGTGCGCATGGCCTACAGC
 GAAGCCGGAGACTATCTGGTAGCAATTGAGGAGAAAAACAACTATATTCCTGCGTGCTTACGTGAATT
 GGAGGAGTAAGAGGAGCGACAACCCCCTGTGTGCAATCGAATGGTTGGCCACAATGTGGAGGCATCCTT
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 GAAAAAGCTGCTGCCTGAGCTCTGCCAGAGATCAAGAGTGGTGGCAGAGGTCACCTTACCTGTC
 ATTTGTTAAAGAAACCTTGTGCGTTATTGCTGTGGACTGGACCTGAGGGATTTCTGAATGTTCTCCCA
 GAAGATGGGGCAGCAGCATTTTTCTGCCTACCTCCTTTTCTGAGCCGGAAGAAATCACTAACT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Plasmid Map:


ACCN: NM_080634

ORF Size: 3006 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_080634.4](#), [NP_542365.3](#)

RefSeq Size: 4011 bp

RefSeq ORF: 3009 bp

Locus ID: 12807

UniProt ID: [Q91VB4](#)

Cytogenetics: 3 6.12 cM

Gene Summary: Involved in early stages of melanosome biogenesis and maturation.[UniProtKB/Swiss-Prot Function]