

Product datasheet for **MG221148**

Hps3 (NM_001146323) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hps3 (NM_001146323) 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)



[View online »](#)

ORF Nucleotide Sequence:

>MG221148 representing NM_001146323
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGCCTGTGTACAACCTGCACCCGTTTGGGTGCGCAGCAGGTAGTCCCCTGCCAGTGGGAGCCGGAGC
 AGGTCTGCTGCGGCGGGAGCGACGCGCTGTTCTGGCTGCCGGCTGCAAGGTGGAGGCGTTCGCTGTTC
 GGGCGAAGAGCTGTGCCGCGAGCCTGCGCCTTCTCCACGCTAGGCAGGGTGTGCGCATGGCCTACAGC
 GAAGCCGAAGTCTTACTCCTAAAACCTGGAGTCAAGCCCTATACATGGAGAGAGTGTGACCACCACCCAC
 AAGAAACCAGCAATCCATTGAAAGAGGCGGAAGGTGTCAGTAATGAAACTTCACAACTTGAGTCAGAAGA
 TTTTGTATCTGTCTAAAACCCATGGAACCTATTGGTGAATAATGTGAACAGTCTGGGATATCTGTAA
 CTGGAGTCCACAGGATTAGAAGATGAAAAGTAAAATATTTACGTGTTCCGCATCTATTGTATAGACGTT
 TTGCTCCAGATATTTCTCCTATGTCTTGTCTGATAACATCAAGTTACATTCCTTCAGCTGCTACCCAT
 TCACCAAAGTGGTTTTATCCTGATGAAAATGATTTATCGCCGAAAAAGAGATGCCAAATCTCTTCTGT
 TTCTTCTCGTTACCTCATGTGGCTATCTGTACATGGTTGTGAAGTCTGTTGAATTAATGTCAGTCTATT
 GGTATCCTGAGAACTCAACAAGCCGTGCTCACACCACAGTTCTTGCATGTCATCAACAAGCCAAAGCCT
 GCAGTGTTCACGGTGCAGTGCAGTGCAGCGGTGGCACATGAGGAAGACCTATACATGGATACTACGCTA
 AAGGCTTGCCACCTGTGAGTATGGACGTTTGTGCTCTAAGGATACAGCTTTTTCATAGGCTTGAAAGCCA
 TCTGTCACTTTAAAACACATTACTTCTGACGAAGGCAGAGCCTGAGGCCATTCAGAGAGAAGAGA
 GTCACCAAGAACTTATTTCTAGAAAAGATGCCAGTGTAGGAGCGGAACCCCTCACGTGGCTGAAGCG
 GCATGGAATCTGTATCTGTGAACACCACGCGCAGTGCAGCTGTACAAGAAATGGTAGACTATAGTA
 ACAGCTACAAGACCGTGAACACCCGAGAGCTGTCTCCACCTGCTCAGTGAGGCTCATCTGCTAGGAGAG
 TGCCCTGATGGATGGCAGTCACTGAGGCTGCGAGAGAAAGCAGAACTCCTGGAAGCTTTTAAAGAAAGC
 TGTGGACACCTTGAGACTGTTACAGCAGGCTTACCAGTGCAGCAATCCATCTCGCCTTGCCGACTATA
 AGATGTCTGTTTGTCTCTGGCTGAAGTCTTGGCCGTGTGGACTGGACAGAAGAGAGTGAATCACAGAA
 ATATGAGAGAGGACTAGTATTTTATTAATCATTCTCTTTATGAAAACCTGGATGAAGAATTAAGTAAA
 GAATTAGCAGCAAAAGTGGCTCAGATATCCACATGGCTGAGCCGAAAGCAGCTGCCTCATGTTCTCTTA
 GCCCTTCTATGAAGAATATTGATCCCTAACTGCCTTGCATTATTAAGGAAGCTGGATAGTTGTGGAGT
 TTCACCCGCTTAGTGACCTTGACCAAGGCTGCAGTGGCCTTGAAAATGGGAGATCTTGACATGTACAGA
 AATGAGATGAAAAGCCATTCGGAGATGAAGCTGGTGTATGGCTTCATTCTGGAACCCCGCTGTTAATTC
 AACAGTGGAAAGGACAGATTGTTCTACAGAAGTTCGATTGACTTGAAGGAACTCAGCCTGGATTGCT
 TGTGGCTTCAGTCTGGCTTACAGAAGATGATAAAATTGGAATTGTAGAAACAGATTCTTTCTTTAAG
 GTGCTGTGTGGAAAGGATGAAGACGAGTTCGCGAGCTTTTGTAGACTTCTGGGAGCTCAGCTCGTAG
 CTTGTCTCCAAATGTGGTACTTGAGGAACTCTTTTCAAGCTCATCTCTCAGTACGTTTGGAGTTATC
 TGAGAGGCGGTGCTGACACCGTACCAGTGAACAGCGGAGGATTTGATAAATGCCTGCAGTCATTAT
 GGCCTAGTAAATCCATGGGTTTATGTGTTAACGACATCTGATTCCTTAGCTGATAAAAATTACACAGACG
 ACCTTCTGAAATTACAGTCTCTCATCTGTAGCCCTTCAATTGGACGTAGCCTCCATTATCCGTTTTTGG
 GCCACTCAGAAGACACTGTTGCCGGCCTCAGTACTCATGCTCTCTGCCATACACGCTTACAAGAGTAT
 GAACAGTGCATAGACAGTGTGCTAGAGAGATGCCAGAGGCGCTATTGGGTATGCTAATCAGGAACTGA
 AGGAAGATCACTGGATTCTGTGGTGAAGAAAGCTGCTGCCTGAGCTCTGCCAGAGAGTCAAGAGTGGTGG
 CGAGAGGTCCACCTTACCTGTATTGTTAAAAGAAACCTTGTGCGTTATTGCTGTGGGACTGGACCTG
 AGGGATTTCTGAATGTTCTCCAGAAGATGGGGCAGCAGATTTTCTGCCCTACCTCTTTTCTGCA
 GCCGGAAGAAATCACTAACT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG221148 representing NM_001146323
 Red=Cloning site Green=Tags(s)

MVRLYNLHPFGSQVVPQCWEPEQVCCGGSDALFVAAGCKVEAFVQGEELCRQRCFSTLGRVLRMAYS
 EAEVLLKLESDPIHGESVDHHPQETSNPLKEAEGVSNETSQLESEDFVICLKPMELIGEKEQSGISVK
 LESTGLEDEKVKYLRVRHLLYRRFAPDISSYVLSNLIKLSLQLLPIHQSGFHPDENDLSPKKEMPNLFC
 FFSLPHVGYLYMVVKSVELMSVYWYPEKSSQAVLTPQFLHVITSSQLQCFTVRCSAAVAHEEDLYMDTTL
 KACPPVSMDVICALRIQLFIGLKAICHFKNHIILLTKAEPEAIPERRESPKKLISRKDasVRSgTPHVAEA
 AwnLYLVNTTAPVQLYKEMVDYSNSYKTVKTESCLHLLSEAhLLVRAALMDGSQLEPAEKAELEAFKES
 CGHLGDCYSRLTTEQSHLALPYKMSGLSLAEVLARVDWTEESQKYERGLVFIYINHSLYENLDEELSK
 ELAAKVAQIFHMAEPKQLPHVLSPPSMKNIDPLTALHYLRKLDSCGVSPVLVTLKAAVALKMGDLDMYR
 NEMKSHSEMKL VYGF ILEPRLLIQWKQGQIVPTELAIDLKETQPGLLVASVGLQKNDKIGIVETDSFFK
 VLCGKDEDAVPQLLIDFWEAQLVACLPNVLEELFFKLSIQYVWRLSERRCPDTPVPLRTAEDLINACSHY
 GLVNPVWHVLTSDSLADKNYTDLLKQLSLICSPSLDVASIIIPFLEPLSEDTVAGLSTHALCHTRLQEQY
 EQCIDTLLERCPEAVIAYANQELKEDHWILWKKLLPELQQRVKSGGERSHLHL SLLKETLSVIAGLGLD
 RDFLNVLPEdGAAAFFLPYLLFCsrKkSLT

TRTRPLE - GFP Tag - V

Restriction Sites:

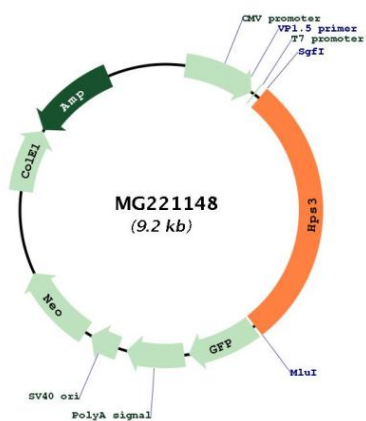
SgfI-MluI

Cloning Scheme:



ACCN:	NM_001146323
ORF Size:	2610 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:	<ol style="list-style-type: none">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_001146323.1 , NP_001139795.1
RefSeq Size:	3615 bp
RefSeq ORF:	2613 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]

Product images:



Circular map for MG221148