

## Product datasheet for **MG205538**

### Hmbs (BC003861) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hmbs (BC003861) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hmbs
Synonyms:	PBGD; T25658; Ups; Uros1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205538 representing BC003861 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCGGTAACGGCGCGCGGCCACAACCGCGGAAGAAAACGGCTCAAAGATGAGGGTGATTTCGAGTGG  
GCACCCGTAAGAGCCAGCTGGCTCGCATACAGACCGACTGTGGTGGCGATGCTGAAAGCCTTGTAACC  
TGGCATAAGTTGAAATCATTGCTATGTCCACCACGGGAGACAAGATTCTTGATACTGCACTCTCTAAG  
ATTGGAGAGAAGAGCCTGTTACCAAGGAGCTAGAAAACGCCCTGGAAAAAACGAAGTGGACCTGGTTG  
TTCACCTCCTGAAGGATGTGCCTACCATACTACCTCCTGGCTTTACTATTGGAGCCATCTGCAAACGGGA  
AAACCCCTGTGATGCTGTGCTTTACCCAAAGTTTATTGAAAAGACCCCTGGAAACCTTGCCAGAGAAA  
AGTGCCGTGGGAACAGCTCTCTGAGGAGAGTGGCTCAGCTACAGAGAAAAGTTCCCAACCTGGAATTCA  
AGAGTATTCGGGAAACCTCAACACCCGCTTCGGAAGCTGGATGAGCTGCAGGAATTCAGTGCCATTGT  
CCTGGCTGTGGCTGGCCTACAGCGCATGGGCTGGCAGAACCGGTGGGCCAGATTTGCACCCAGAGGAA  
TGCATGTATGCTGTGGTCCAGGGGCCCTAGCCGTGGAAGTCCGAGCCAAGGACCAGGATATCTTGACC  
TAGTGAGTGTGTGCACGATCCTGAACTCTGCTTCGCTGCATTGCTGAAAGGGCTTTCTGAGGCACCT  
GGAAGGAGGCTGCAGCGTGCCCGTAGCAGTGCATACAGTATGAAAGATGGCAACTGTACCTGACTGGT  
GGAGTATGGAGTCTAGATGGCTCAGATAGCATGCAAGAGACTATGCAGGCCACCATCCAGGTCCCTGTTT  
AGCAAGAAGATGGTCCAGAAGATGACCCACAACCTGGTTGGAATCACTGCCGGAACATTCGAAGAGGAGC  
CCAGCTAGCTGCTGAGAACCTGGGCATCAGCCTGGCCAGCTTGCTGCTCAACAAAGGAGCCAAGAACATC  
CTGGATGTTGCACGGCAGCTTAATGATGTGCGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205538 representing BC003861  
 Red=Cloning site Green=Tags(s)

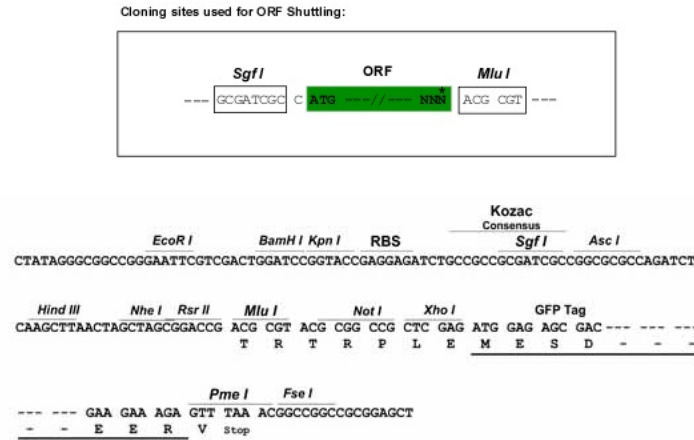
MSGNGGAATTAENGSKMRVIRVGRKSQLARIQTDVVAMLKALYPGIQFEIIAMSTTGDKILDALS  
 IGEKSLFTKELENALEKNEVDLVHSLKDVPTILPPGFTIGAICKRENPCDAVVFHPKFIGKTLETLP  
 SAVGTSSLRRVAQLQRKFPNLEFKSIRGNLNTRLRKLDELQEFSAIVLAVAGLQRMGWQNRVQI  
 LHPCECMYAVGQGalAVEVRAKDQDILDVSVLHDPETLLRCAIERAFLRHLEGGCSVPVAVHT  
 VMKDGQLYLTG GVWSLDGSDSMQETMQATIQVPVQVEDGPEDDPQLVGITARNIPRGAQLA  
 ENLGISLASLLLNKAGKNI LDVARQLNDVR

TRTRPLE - GFP Tag - V

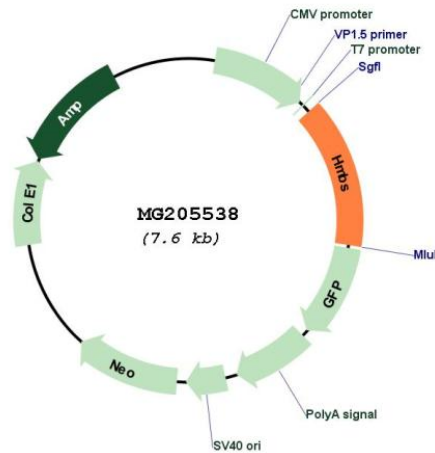
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

BC003861

<b>ORF Size:</b>	1085 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="#">BC003861</a> , <a href="#">AAH03861</a>
<b>RefSeq Size:</b>	1571 bp
<b>RefSeq ORF:</b>	1085 bp
<b>Locus ID:</b>	15288
<b>Cytogenetics:</b>	9 24.84 cM
<b>Gene Summary:</b>	Tetrapolymerization of the monopyrrole PBG into the hydroxymethylbilane pre-uroporphyrinogen in several discrete steps.[UniProtKB/Swiss-Prot Function]