

Product datasheet for **MG202615**

Hes6 (NM_019479) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Hes6 (NM_019479) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Hes6
 Synonyms: AI326893; bHLHb41
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG202615 representing NM_019479
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCCGTCCCAGGCGCCAGCCGGGACCGTGCAGGCCAGGAGGATGAGGACCGCTGGGAAGCACGGG
 GGGACCGCAAGGCCCGGAAGCCCTTGGTGGAGAAGAAGCGACGCGCACGGATCAACGAGAGTCTTCAGGA
 GCTGCGGCTGCTGCTGGCCGGTACCGAGGTGCAGGCCAAGCTAGAGAACCGCGAGGTTCTGGAGCTGACC
 GTGAGGCGCGTGCAGGGCGCGTGCAGGCGCGGCGCGAGCGGGAGCAGCTGCAGGCTGAAGCAAGCG
 AGCGCTTCGCTGCTGGCTACATCCAGTGCATGCATGAGGTGCACACGTTCTGTCCACGTGCCAAGCCAT
 CGATGCCACTGTCTCAGCTGAACCTCTGAACCACCTGCTAGAATCCATGCCACTGCGCGAGGGTAGCAGC
 TTTCAGGATCTGCTGGGGGACTCCCTAGCTGGGCTGCCTGGAGGCTCTGGGAGGAGCAGCTGGCCTCCAG
 GAGGGTCCCAGAATCCCATTGTCCAGTCCCCAGGTCCCGGGGACGACCTGTGTTCTGACCTAGAGGA
 GATCCCAGAGGCTGAACTAAACCGGTGCCTGCTGAGGGGCCGGATTTGGTGTCTACATCCTTAGGCAGC
 CTGACTGCAGCTCGCCGGGCTCAGAGTGTGTGGAGGCCTTGG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202615 representing NM_019479
Red=Cloning site Green=Tags(s)

MAPSQAPSRDRAGQEDEDRWEARGDRKARKPLVEKRRRARNESLQELRLLLAGTEVQAKLENAEVLLET
 VRRVQGALRGRAREREQLQAEASERFAAGYIQCMHEVHTFVSTCQAI DATVSAELLNHLLSMPREGSS
 FQDLLGDSLALPGGSGRSSWPPGGSPESPLSSPPGPGDDLCSDL EEIPEAELNRVPAEGPDLVSTSLGS
 LTAARRAQSVWRPW

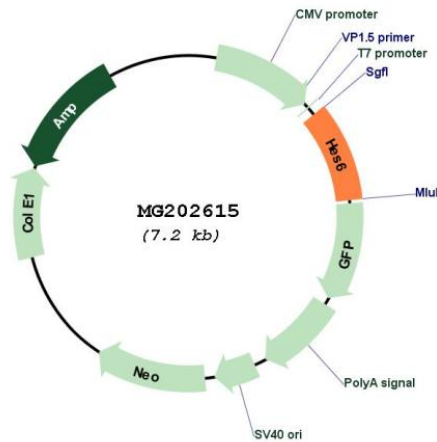
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019479

ORF Size: 672 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_019479.2 , NP_062352.1
RefSeq Size:	1336 bp
RefSeq ORF:	675 bp
Locus ID:	55927
UniProt ID:	Q9JHE6
Cytogenetics:	1 D
Gene Summary:	Does not bind DNA itself but suppresses both HES1-mediated N box-dependent transcriptional repression and binding of HES1 to E box sequences. Also suppresses HES1-mediated inhibition of the heterodimer formed by ASCL1/MASH1 and TCF3/E47, allowing ASCL1 and TCF3 to up-regulate transcription in its presence. Promotes cell differentiation. [UniProtKB/Swiss-Prot Function]