

Product datasheet for **RG203205**

HES6 (NM_018645) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HES6 (NM_018645) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HES6
Synonyms:	bHLHb41; bHLHc23; C-HAIRY1; HES-6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203205 representing NM_018645 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCCACCCGCGGCCTGGCCGGGACCGTGTGGCCGTGAGGATGAGGACGGCTGGGAGACGCGAG
GGGACCGCAAGGCCCGGAAGCCCTGGTGGAGAAGAAGCGGCGCGCGGATCAACGAGAGCCTGCAGGA
GCTGCGGCTGCTGCTGGCGGGCCGAGGTGCAGGCCAAGCTGGAGAACCCGAAGTCTGGAGCTGACG
GTGCGGGGTCCAGGTGTGCTGCGGGCCGGGCGCGAGCGGAGCAGCTGCAGGCGGAAGCGAGCG
AGCGCTTCGCTGCCGGCTACATCCAGTGCATGCACGAGGTGCACACGTTCTGTCCACGTGCCAGGCCAT
CGACGCTACCGTCGCTGCCGAGCTCCTGAACATCTGCTCGAGTCCATGCCGCTGCGTGAGGGCAGCAGC
TTCCAGGATCTGCTGGGGACGCGCTGGCGGGCCACCTAGAGCCCTGGACGGAGTGGCTGGCCTGCGG
GGGGCGCTCCGGGATCCCAATACCCAGCCCCCGGTCTGGGGACGACCTGTGCTCCGACCTGGAGGA
GGCCCCCTGAGGCTGAAGTGAAGTCAAGGCTCCTGCTGAGGGCCCGACTTGGTGCCCGCAGCCCTGGGCAGC
CTGACCACAGCCAAATTGCCCGGAGTGTCTGGAGGCCTTGG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203205 representing NM_018645
Red=Cloning site Green=Tags(s)

MAPPAAPGRDRVGREDEDGWETRGRDKARKPLVEKRRRARNESLQELRLLLAGAIEVQAKLENAEVLDT
VRRVQGVLRRAREREQLQAEASERFAAGYIQCMEVHTFVSTCQAIDATVAAELLNHLLSMPREGSS
FQDLLGDALAGPPRAGRSGWPAGGAPGSPIPSPPGDDLCSDL EEAPEAELSQA PAEGPDLVPAALGS
LTTA QIARSVWRPW

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018645

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:

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_018645.6](#)

RefSeq Size: 1375 bp

RefSeq ORF: 675 bp

Locus ID: 55502

UniProt ID: [Q96HZ4](#)

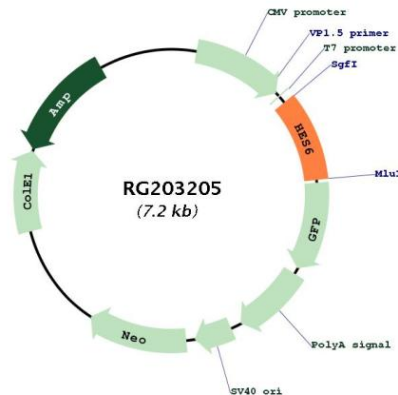
Cytogenetics: 2q37.3

Domains: HLH

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This gene encodes a member of a subfamily of basic helix-loop-helix transcription repressors that have homology to the Drosophila enhancer of split genes. Members of this gene family regulate cell differentiation in numerous cell types. The protein encoded by this gene functions as a cofactor, interacting with other transcription factors through a tetrapeptide domain in its C-terminus. Alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Dec 2008]

Product images:



Circular map for RG203205