

Product datasheet for **RG235690**

HES6 (NM_001282434) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HES6 (NM_001282434) 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: >RG235690 representing NM_001282434.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCCACCCGCGGCCTGGCCGGGACCGTGTGGCCGTGAGGATGAGGACGGCTGGGAGACCGCA
GGGACCCAAGGCCCGAAGCCCCTGGTGGAGAAGAAGCGGCGCGCGGATCAACGAGAGCCTGCAG
GAGCTGCGGCTGCTGCTGGCGGGCGCCGAGGTGCAGGCCAAGCTGGAGAACGCCAAGTCTGGAGCTG
ACGAGCGCGAGCAGCTGCAGGCCGAAGCGAGCGAGCGCTTCGCTGCCGGCTACATCCAGTGCATGCAG
AGGTGCACACGTTTCGTGCCACGTGCCAGGCCATCGACGCTACCGTCGCTGCCGAGCTCC
ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235690
Blue=ORF Red=Cloning site Green=Tag(s)

```
MAPPAAPGRDRVGREDEDGWETRGRDRKARKPLVEKKRRARINESLQELRLLLAGAEVQAKLENAEVLLEL
TSASSCRKRASASLPATSSACTRCTRSCPRARPSTLPSLPSS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001282434

ORF Size: 336 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).

RefSeq: [NM_001282434.2](#)

RefSeq Size: 1430 bp

RefSeq ORF: 339 bp

Locus ID: 55502

UniProt ID: [Q96HZ4](#)

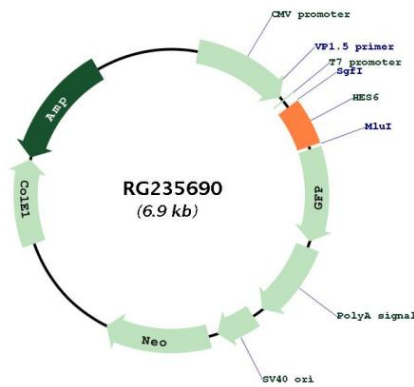
Cytogenetics: 2q37.3

Protein Families: Druggable Genome, Transcription Factors

MW: 12.7 kDa

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 RG235690