

Product datasheet for **RG224630**

HES3 (NM_001024598) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HES3 (NM_001024598) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: HES3
Synonyms: bHLHb43
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG224630 representing NM_001024598
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAAAAAGCGCCGGGCACGCATCAATGTGTCCTGAGCAGCTCAAGTCGCTGCTGGAGAAACACT
 ACTCGCACCAGATCCGGAAGCGCAAATTGGAGAAGGCCGACATCTGGAGTTGAGCGTGAAGTACATGAG
 AAGCCTTCAGAACTCCTTGAAGGGCTCTGGCCTGTGCCAGGGGAGCCGAGCAACCGTCGGGCTCCGC
 AGCTGCCTGCCCGCGTGAGCCAGCTCCTCGGCGGGAGATGAGGTCCGAGCGGCTGCGCTGCCCC
 TGGTGCCCGAGAGCGCCCGGCAGCACCATGGACAGCGCGGGTTGGGCCAGGAGCGCCCGCGCTGTT
 CCGCCCTTGACCCCTGCCGTCTGGGCTCCTGCTCCGGCCCGCGCGCCCGCGGTCCTCCACCACCCTG
 CTCTCTCCCGAAAGTCTCCCTGGCTCGTCCGCCAGCGTCCCCCGCCGAGCCAGCTCGAGTCGCT
 CGCGCGAGAGTCCCGGGCTGGGCTGCGCGTGTGGCGGCCCTGGGGAAGCCCCGGGGATGACCTGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224630 representing NM_001024598
 Red=Cloning site Green=Tags(s)

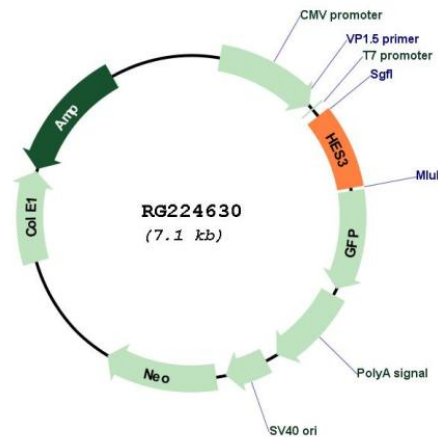
MEKRRRARINVSLEQLKSLLEKHYSHQIRKRKLEKADILELSVKYMRSLQNSLQGLWPVPRGAEQPSGFR
 SCLPGVSQLRRGDEVGSLRCLVPESAAGSTMDSAGLQAEAPALFRPCTPAVWAPAPAAGGPRSPPL
 LLLPESLPGSSASVPPPQPASSRCAESPLGLRVWRPWGSPGDDLN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001024598

ORF Size: 558 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:	<u>NM_001024598.4</u>
RefSeq Size:	1355 bp
RefSeq ORF:	561 bp
Locus ID:	390992
UniProt ID:	<u>Q5TGS1</u>
Cytogenetics:	1p36.31
Gene Summary:	Transcriptional repressor of genes that require a bHLH protein for their transcription. [UniProtKB/Swiss-Prot Function]