

Product datasheet for **RG236010**

HSPA14 (NM_001278205) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HSPA14 (NM_001278205) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: HSPA14
Synonyms: HSP70-4; HSP70L1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236010 representing NM_001278205.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGCATCGGAGTTCACCTGGGCTGCACCTCAGCCTGTGTGGCCGTCTATAAGGATGGCCGGGCT
GGTGTGGTTGCAAATGATGCCGGTGACCGAGTTACTCCAGCTGTTGTTGCTTACTCAGAAAATGAAGAG
ATTGTTGGATTGGCAGCAAAACAAAGTAGAATAAGAAATATTTCAAATACAGTAATGAAAGTAAAGCAG
ATCCTGGGCAGAAGGGTGTCTCAAGGGACCCCGCTACAGCAGCTCCACAGCCTTTTCAGAGGTGC
AGTTGCTCCCTGTGAGAGCAGCCCATGGCCAGACTGGGTGTGTCGGGGAGCCAGCCCTGCACCAG
CACCAACCGCAGCACTCCTGGGGTAGCCTCCACACCGCAGACTCCAGTCTCCTCTCGAGAGCTGGTTT
TGTTTCTGGTGGGA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236010
Blue=ORF Red=Cloning site Green=Tag(s)

```
MAAIGVHLGCTSACVAVYKDGRAGVVANDAGDRVTPAVVAYSENEEIVGLAAKQSRIRNISNTVMKVQK
ILGRRVLSRDPQLQLPQPFQRCSCSLSEPHGQTGCVRGAQPLHQHPQHSWGLHTADSSLLFESWF
CFWWG
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI

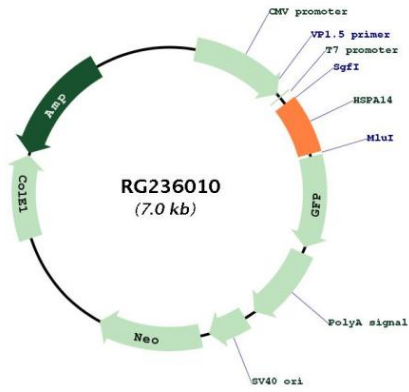


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Cloning Scheme:


- ACCN:** NM_001278205
- ORF Size:** 429 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_001278205.1](#), [NP_001265134.1](#)
- RefSeq Size:** 4110 bp
- RefSeq ORF:** 432 bp
- Locus ID:** 51182
- Cytogenetics:** 10p13
- Protein Families:** Druggable Genome, Stem cell - Pluripotency
- MW:** 16.1 kDa
- Gene Summary:** Component of the ribosome-associated complex (RAC), a complex involved in folding or maintaining nascent polypeptides in a folding-competent state. In the RAC complex, binds to the nascent polypeptide chain, while DNAJC2 stimulates its ATPase activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG236010