

## Product datasheet for **RG239552**

### Hsp105 (HSPH1) (NM\_001286505) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hsp105 (HSPH1) (NM_001286505) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hsp105
Synonyms:	HSP105; HSP105A; HSP105B; NY-CO-25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG239552 representing NM\_001286505.  
 Blue=ORF Red=Cloning site Green=Tag(s)

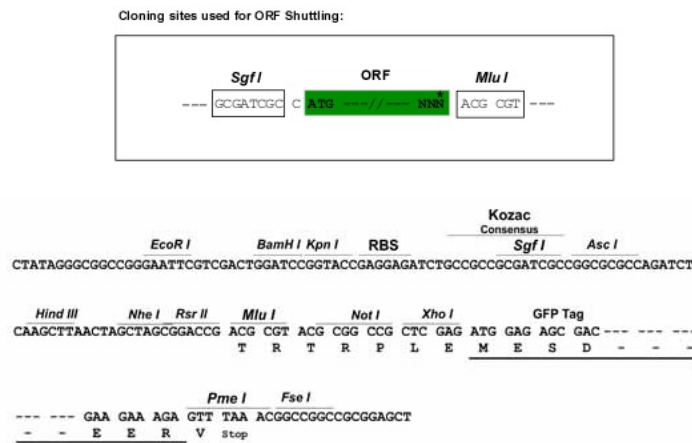
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG239552  
 Blue=ORF Red=Cloning site Green=Tag(s)

MATAAVLRGPAAHWVESFQKAREEGSGSGTWRGRWRRRSVISFGSKNRTIGVAAKNQQITHANNTVSNF  
 KRFHGRAFNDFPFIQKEKENLSYDLVPLKNGGVGKVMYMGEEHLFSVEQITAMLLTKLKETAENSLKPK  
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 LPLNIECFMNDKDVSGKMNRSQFEELCAELLQKIEVPLYSLLLEQTHLKVEDVSAVEIVGGATRIPAVKE  
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 SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFLSRDGGYSSVVDSHMFKSAIHPSILQNGGPMFA  
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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001286505

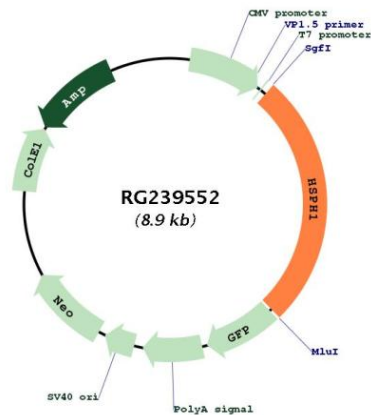
**ORF Size:** 2346 bp

**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.

<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001286505.1</a> , <a href="#">NP_001273434.1</a>
<b>RefSeq Size:</b>	4987 bp
<b>RefSeq ORF:</b>	2349 bp
<b>Locus ID:</b>	10808
<b>UniProt ID:</b>	<a href="#">Q92598</a>
<b>Cytogenetics:</b>	13q12.3
<b>Protein Families:</b>	Stem cell - Pluripotency
<b>MW:</b>	89.3 kDa
<b>Gene Summary:</b>	This gene encodes a member of the heat shock protein 70 family of proteins. The encoded protein functions as a nucleotide exchange factor for the molecular chaperone heat shock cognate 71 kDa protein (Hsc70). In addition, this protein plays a distinct but related role as a holdase that inhibits the aggregation of misfolded proteins, including the cystic fibrosis transmembrane conductance regulator (CFTR) protein. Elevated expression of this protein has been observed in numerous human cancers. [provided by RefSeq, Mar 2017]

### Product images:



Circular map for RG239552