

Product datasheet for **RG214692**

HERC1 (NM_003922) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HERC1 (NM_003922) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HERC1
Synonyms:	MDFPMR; p532; p619
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214692 representing NM_003922 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RG214692 representing NM_003922
 Red=Cloning site Green=Tags(s)

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 VDLLYVQTLNSILHIEDSGITEESFHEMIPLDSFVQGSADGKMVPIIPGGNSIPLTFSNRKEYVERAIEY

RLHEMDRQVAAVREGMSWIVPVPLLSLLTAKQLEQMVCGMPEISVEVLKKVRYREVDEQHQLVQWFWHT
 LEEFSNEERVLFRFVSGRSRLPANTADISQRFQIMKVDRPYDSLPTSQTCCFFQLRLPPYSSQLVMAERL
 RYAINNCRSIDMDNYMLSRNVDNAEGSDTDY

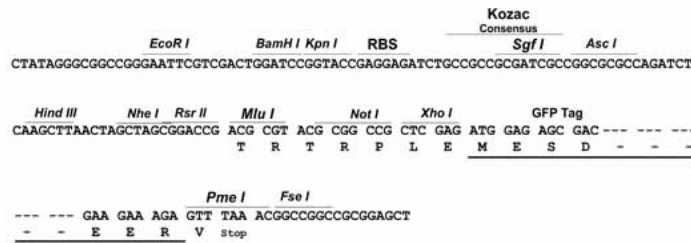
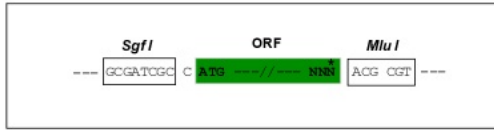
TRTRPLE - GFP Tag - V

Sgfl-MluI

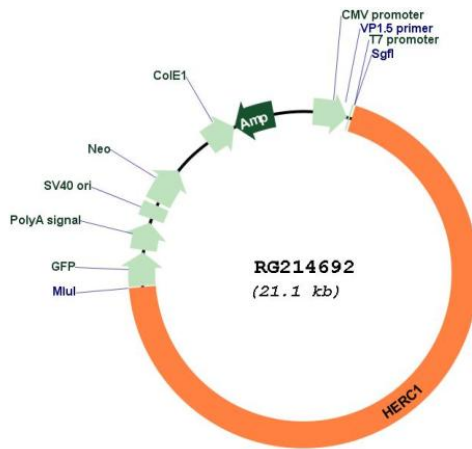
Restriction Sites:

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN:

NM_003922

ORF Size:

14583 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_003922.2](#), [NP_003913.2](#)

RefSeq Size: 15156 bp

RefSeq ORF: 14586 bp

Locus ID: 8925

UniProt ID: [Q15751](#)

Cytogenetics: 15q22.31

Domains: RCC1, HECT, WD40, SPRY

Protein Families: Druggable Genome

Protein Pathways: Ubiquitin mediated proteolysis

Gene Summary: This gen encodes a member of the HERC protein family. This protein stimulates guanine nucleotide exchange on ARF1 and Rab proteins. This protein may be involved in membrane transport processes. [provided by RefSeq, Mar 2012]