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Product datasheet for RC212168

HEG1 (NM_020733) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEG1 (NM_020733) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HEG1
Synonyms:	HEG; MST112; MSTP112
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC212168 representing NM_020733
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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Protein Sequence:

>RC212168 representing NM_020733
Red=Cloning site Green=Tags(s)

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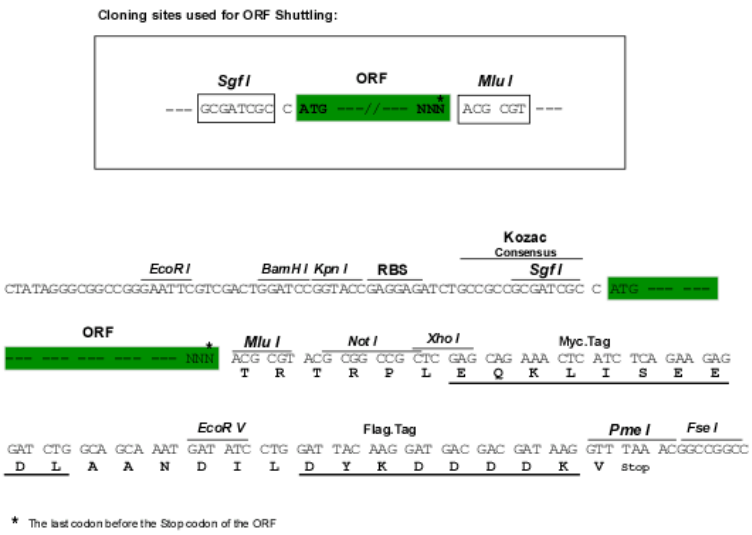
Chromatograms: https://cdn.origene.com/chromatograms/mg4462_b06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

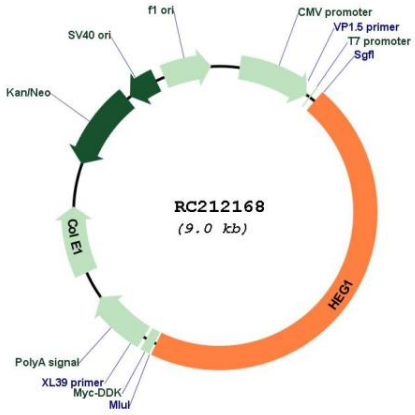


ACCN: NM_020733

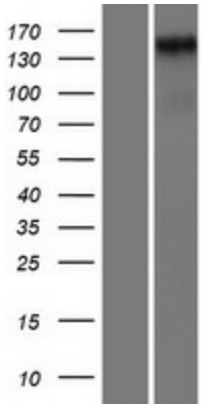
ORF Size: 4143 bp

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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_020733.2
RefSeq Size:	9156 bp
RefSeq ORF:	4146 bp
Locus ID:	57493
UniProt ID:	Q9ULI3
Cytogenetics:	3q21.2
Protein Families:	Druggable Genome, Transmembrane
MW:	147.3 kDa
Gene Summary:	Receptor component of the CCM signaling pathway which is a crucial regulator of heart and vessel formation and integrity May act through the stabilization of endothelial cell junctions. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC212168



Western blot validation of overexpression lysate (Cat# [LY412360]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212168 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).