

Product datasheet for **RC239250**

HGFAC (NM_001297439) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HGFAC (NM_001297439) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HGFAC
Synonyms:	HGFA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC239250 representing NM_001297439
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCGCTGGGCTGGGTCCCAGCCCCGGCCCCACGGGGCTGGGCCCTTCTCTCTCTCTCTCC
 TGCTGCTGCTGCTGCTGCCACGGGGTTCCAGCCCCAGCCTGGCGGAACCGTACGGAGTCCCAGAACC
 TAATGCCACAGCGACCCCTGCGATCCCCACTATCTGGTGACCTCTGTGACCTCTGAGACCCAGCAACA
 AGTGCTCCAGAGGCAGAGGGACCCAAAGTGGGGGGCTCCCGCCCCGCCAGGGCAGTTCCTCGAGCA
 GTAGCCCCAGGCCAAGCACTACCGAGGACGGGAGGCCCTGCAGGTTCCCTTCCGCTACGGGGGCCG
 CATGCTGCATGCCTGCACCTCGGAGGGCAGTGACACAGGAAGTGGTGTGCCACAACCTACAACCTACGAC
 CGGGACAGGGCTGGGGCTACTGTGTGGAGGCCACCCCGCTCCAGGGGGCCAGCTGCCCTGGATCCCT
 GTGCCCTCCGGCCCTGCCTCAATGGAGGCTCCTGCTCAAATACCCAGGACCCCCAGTCTATCACTGCAG
 CTGCCCCCGGGCTTACCGGCAAGGACTGCGGCACAGAGAAATGCTTTGATGAGACCCGCTACGAGTAC
 CTGGAGGGGGGCCACCGCTGGGCCCGCGTGCGCCAGGGCCACGTGGAACAGTGCAGTGTCTCGGGGGCC
 GGACCTGGTGCAGAGGCACCCGACATACAGCTTGTCTGAGCAGCCCTTGCTGAACGGGGGCACCTGCCA
 CCTGATCGTGGCCACCGGACCACCGTGTGTGCCTGCCACCAGGCTTCGCTGGACGGCTCTGCAACATC
 GAGCCTGATGAGCGCTGCTTCTGGGGAACGGCACTGGGTACCGTGGCGTGGCCAGCACCTCAGCCTCGG
 GCCTCAGCTGCCTGGCTGGAATCCGATCTGCTCTACCAGGAGTGCACGTGGACTCCGTGGGCGCCGC
 GGCCCTGCTGGGCTGGGCCCCATGCCTACTGCCGAATCCGGACAATGACGAGAGGCCCTGGTGTACT
 GTGGTGAAGGACAGCGCGCTCTCTGGGAGTACTGCCCGATCTCCTGGCGACCTGCCTGAGCCAGCCTCCC
 GGAATCCCTACCAGAGTCCAACCTGTACCCGGATCTCCTGGCGACCTGCCTGAGCCAGCCTCCC
 GCGCCAGGCCTGCGGCAGGAGGCACAAGAAGAGGACGTTCTGCGGCCAGGTATCATCGGCGGCTCCTCC
 TCGCTGCCCGGCTCGCACCCCTGGCTGGCCGCCATCTACATCGGGGACAGCTTCTGCGCCGGGAGCCTGG
 TCCACACCTGCTGGGTGGTGTGGCCGCCACTGCTTCTCCACAGCCCCCAGGGACAGCGTCTCCGT
 GGTGCTGGGCCAGCACTTCTTAACCGCACGACGGACGTGACGCAGACCTTCGGCATCGAGAAGTACATC
 CCGTACACCTGTACTCGGTGTTCAACCCAGCGACCACGACCTCGTCTGATCCGGCTGAAGAAGAAAG
 GGGACCGCTGTGCCACACGCTCGCAGTTCGTGCAGCCATCTGCCTGCCGAGCCCGGCAGCACCTTCCC
 CGCAGGACACAAGTGCCAGATTGCGGGCTGGGGCCACTTGGATGAGAACGTGAGCGGCTACTCCAGCTCC
 CTGCGGGAGGCCCTGGTCCCCCTGGTCGCCGACCACAAGTGCAGCAGCCCTGAGGTCTACGGCGCCGACA
 TCAGCCCCAACATGCTCTGTGCCGGCTACTTCGACTGCAAGTCCGACGCCTGCCAGGGGGACTCAGGGGG
 GCCCTGGCTGCGAGAAGAACGGCGTGGCTTACCTCTACGGCATCATCAGCTGGGGTGACGGCTGCGGG
 CGGCTCCACAAGCCGGGGTCTACACCCGCTGGCCAACATATGTGGACTGGATCAACGACCGGATACGGC
 CTCCCAGGCGGCTTGTGGCTCCCTCC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239250 representing NM_001297439
 Red=Cloning site Green=Tags(s)

MGRWAWVSPWPPPLGPFLLLLLLLLLPRGFQPPGGNRTESPEPNATATPAIPTILVTSVTSETPAT
 SAPEAEGPQSGGLPPPRAVPSSSPQAQALTEDGRPCRFPFRYGGMLHACTSEGSAHRKWCATTHNYD
 RDRAWGYCVEATPPPGGPAALDPCASGPCLNGGSCSNTQDPQSYHCSCPRAFTGKDCGTEKCFDETRYEY
 LEGGDRWARVRQGHVEQCECFGGRTWCEGTRHTACLSSPCLNGGTCHLIVATGTTVCACPPGFAGRLCNI
 EPDERCFLGNGTYRGVASTSASGLSCLAWNSDLLYQELHVDSVGAALLGLGPHAYCRNPNDNERPWCY
 VVKDSALSWEYCRLEACDLETEGRESL TRVQLSPDLLATLPEPASPGRQACGRRHKRTRFLRPRIIGSS
 SLPGSHPWLAAYIGDSFCAGSLVHTCWVYSAHCFSHSPPRDSVSVVLGQHFFNRRTDVTQTFGIEKYI
 PYTLYSVFNPSDHDLVIRLKKKGDRCATRSQFVQPICLPEPGSTFPAGHKCQIAGWGLDENVSGYSSS
 LREALVPLVADHKCSSPEVYGADISPMLCAGYFDCKSDACQGDSSGGLACEKNGVAYLYGIISWGDGCG
 RLHKPGVYTRVANYVDWINDRIRPPRRLVAPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

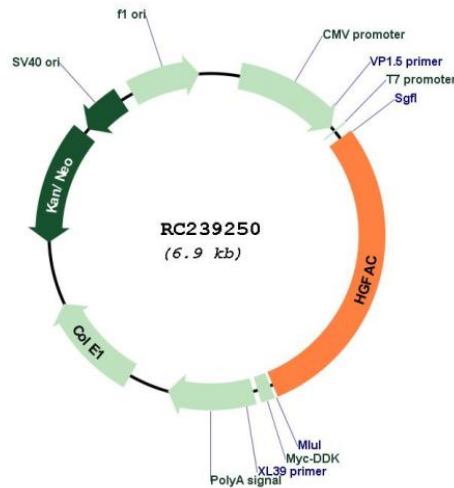
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001297439

ORF Size: 1986 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.

RefSeq: [NM_001297439.2](#)

RefSeq Size:	2134 bp
RefSeq ORF:	1989 bp
Locus ID:	3083
UniProt ID:	Q04756
Cytogenetics:	4p16.3
Protein Families:	Druggable Genome, Protease, Secreted Protein, Transmembrane
MW:	71.9 kDa
Gene Summary:	<p>This gene encodes a member of the peptidase S1 protein family. The encoded protein is first synthesized as an inactive single-chain precursor before being activated to a heterodimeric form by endoproteolytic processing. It acts as serine protease that converts hepatocyte growth factor to the active form. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]</p>