

## Product datasheet for **MR216475**

### Hgfac (NM\_019447) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hgfac (NM_019447) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hgfac
Synonyms:	HGF; HGFA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR216475 representing NM\_019447  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGCGACAGGCCTGGATCTCTAGCCTCTGTCCCTTACCCAGGCCATGTCCCTTCTGTCTGCTCTGCT  
 TGCTGCTGGTGGTGCCTCGGGGGGCCAGCCCCAGGCTGGCAGGAACCACACAGAGCCCCAGGACCTAA  
 CGTTACAGCCACCCCGTGACCCCCACGATCCCTGTGATCTTGGGAATGTCAGCACCTCAACAGAAAGT  
 GCTCCAGCAGCAGAGACTGAGGGACCCAAAGTGAGAGGTACCCTCCTCCCTCCAGCAGCAGCCCCCTG  
 GGGCCAAAGTGTCCACCGAGTCTGGGCAGCCGTGCAGGTTCCCTTTCCGCTACGGTGGCCGCATGCTGCA  
 CTCCTGTACCTCTGAGGGAAGTGCCTACAGGAAGTGGTGCCTACAACACACAATATGACCGAGACCGG  
 GCCTGGGCTACTGTGCAGAGGTGACCCTGCCTGTGGAAGGTCCAGCTATCCTTGACCCTGTGCCTCTG  
 GGCCCTGCCTCAATGGGGGCACATGTTCCAGTACACATGACCATGGTCTCCTACCCTGCTCTTGCCCGCT  
 GGCCTTACAGGCAAGGACTGTGGCACAGAGAAATGCTTTGATGAAACACGCTATGAGTATTTGAGGTG  
 GCGACCACTGGGCCCGTGTGAGCGAGGGACATGTGGAGCAATGTGGCTGTATGGAGGGCCAGGCCCGGT  
 GTGAAGACACCCACCACACAGCTTGTCTGAGCAGCCATGTCTGAACGGAGGCACCTGCCACCTGATTGT  
 GGGCACAGGGACCGCTCTGCACCTGCCCGTTGGGCTATGCTGGGCGGTTCTGTAACATTGTTCCACACA  
 GAGCACTGCTTCTGGGAAATGGTACAGAGTACCAGGCGTGGCCAGCACCGCTGCCTCGGGCCTGAGCT  
 GCCTGGCTGGAATTCGACCTGCTCTACCAGGAGCTGCACGTGGACTCAGTGGCTGCTGCTGTCTGCTGCT  
 TGGCCTGGGCCCTCACGCTTACTGCCGGAACCCAGACAAGGATGAGAGGCCTTGGTGCTATGTGGTGAAG  
 GACAACGCACTGTCGTGGGAGTATTGCCGCTGACAGCCTGTAATCCCTGGCCAGAGTCCACTCCCAAA  
 CCCCGGAGATCCTAGCAGCCCTGCCGAGTCAGCCCCGGCTGTGGCTCCTACCTGTGGCAAGAGGCACAA  
 GAAGAGGACGTTCTTGAGACCACGCATCATCGGGGGCTCATCATCTTTGCCTGGCTCACACCCCTGGCTG  
 GCTGCCATCTACATTGGGAATAGCTTCTGTGCCGGGAGCCTTGTCCATACCTGCTGGGTAGTGTCTGCAG  
 CCCACTGCTTCGCCAACAGCCCCCAGGGACAGCATCACAGTGGTACTGGGTGAGCACTTCTTCAACCG  
 CACCACGGATGTGACACAGACATTTGGCATTGAGAAGTATGTGCCCTACACCCTGTACTCGGTGTTCAAC  
 CCCAACAAACCATGACCTTGTCTTGATCCGGCTAAAGAAGAAGGGAGAGCGCTGTGCTGTCCGCTCCCAGT  
 TTGTTCAACCCATCTGCCTGCCTGAGGCAGGCAGCTCCTCCCTACTGGACACAAGTGTGAGATTGCAGG  
 CTGGGGCCACATGGATGAAAATGTGAGCAGCTACTCCAACCTCCTGCTGGAGGCACTGGTCCCTCTGTT  
 GCTGACCAACAAGTGTAGCAGCCAGAGGTATATGGTGCTGACATCAGCCCTAACATGCTCTGTGCCGGCT  
 ACTTCGACTGCAAGTCCGATGCCTGCCAGGGGACTCAGGTGGGCCCTTGGTCTGTGAGAAGAATGGTGT  
 GGCTTACCTGTATGGCATCATCAGCTGGGGTGTGGCTGTGGGCCCTCAACAAGCCAGGAGTCTACACC  
 CGTGTGGCCAATTATGTGGACTGGATCAACGACCGTATTCGACCGCCCAAGCGACCCGTGGCTACGTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



**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\\_019447.3](#), [NP\\_062320.2](#)

**RefSeq Size:** 2103 bp

**RefSeq ORF:** 1962 bp

**Locus ID:** 54426

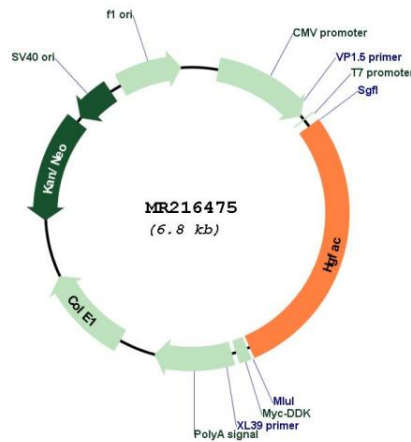
**UniProt ID:** [Q9R098](#)

**Cytogenetics:** 5 B2

**MW:** 71 kDa

**Gene Summary:** This gene encodes a serine protease enzyme that proteolytically activates hepatocyte growth factor (HGF) and plays a vital role in the regulation of HGF activity in the regeneration and repair of various tissues. The encoded protein is an inactive zymogen that is proteolytically activated to generate a heterodimeric enzyme consisting of a short chain and a long chain linked by a disulfide bridge. Mice lacking the encoded protein display an impairment in mucosal regeneration after injury. [provided by RefSeq, Jul 2015]

**Product images:**



Circular map for MR216475