

Product datasheet for **MC228791**

Hgf (NM_001289459) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hgf (NM_001289459) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hgf
Synonyms:	C230052L06Rik; HGF/S; HGF/SF; NK; NK1; NK2; SF; SF/HG; SF/HGF
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228791 representing NM_001289459
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGTGGGGACCAAACCTTCTGCCGGTCTGTGTCTGCAGCATGTCCTCCTGCACCTCCTCTGCTTC
 ATGTCGCCATCCCCTATGCAGAAGGACAGAAGAAAAGAAGAAATACACTTCATGAATTTAAAAAGTCAGC
 AAAAATACTCTTACCAAGGAAGACCCATTACTGAAGATTTAAAACCAAAAAAGTGAACCTCTGCAGATGAG
 TGTGCCAACAGGTGTATCAGGAACAGGGGCTTTACGTTCACTTGAAGGCCTTCGTTTTTGATAAGTCAA
 GAAAACGATGCTACTGGTATCCTTTCAATAGTATGTCAAGTGGAGTGAAAAAGGGTTTGGCCATGAATT
 TGACCTCTATGAAAACAAAGACTATATTAGAACTGCATCATTGGTAAAGGAGGCAGCTATAAAGGGACG
 GTATCCATCACTAAGAGTGGCATCAAATGCCAGCCTTGAATTCATGATCCCCATGAACACAGCTTTT
 TGCCTTCGAGCTATCGCGGTAAGACCTACAGGAAAACACTGTGCGAAATCCTCGAGGGGAAGAAGGGGG
 ACCCTGGTGTTCACAAGCAATCCAGAGGTACGCTACGAAGTCTGTGACATTCTCAGTGTTCAGAAAGTT
 GAATGCATGACCTGCAATGGTGAAGCTACAGAGGTCCCATGGATCACACAGAATCAGGCAAGACTTGTG
 AGCGCTGGGACCAGCAGACACCACCCGACACAAGTTCTTGCCAGAAAAGATATCCCGACAAGGGCTTTGA
 TGATAATTATTGCCGCAATCCTGATGGCAAGCCGAGGCCATGGTGTACACTCTTGACCCCTGACACCCCT
 TGGGAGTATTGTGCAATTTAAACGTGCGCTCACAGTGTGTGAATGAGACTGATGTCCCTATGAAAACAA
 CTGAATGCATTCAGGCCAAGGAGAAGGTTACAGGGGAACCAGCAATACCATTTGGAATGGAATTCCTG
 TCAGCGTTGGGATTTCGAGTACCCTCACAAGCATGATATCACTCCCGAGAACTTCAAATGCAAGGACCTT
 AGAGAAAATTATTGCCGCAATCCAGATGGGGCTGAATCACCATGGTGTTCCTACTGACCCAAACATCC
 GAGTTGGCTACTGCTCTCAAATCCCAAGTGTGACGTGTCAAGTGGACAAGATTGTTATCGTGGCAATGG
 GAAAAATTACATGGGCAACTTATCCAAAACAAGGTCTGGACTTACATGTTCCATGTGGGACAAGAAATATG
 GAGGATTTACACCGTCATATCTTCTGGGAGCCAGATGCTAGCAAATTGAATAAGAATTACTGCCGGAATC
 CTGATGATGATGCCATGGACCTTGGTGTACACGGGGAATCCTCTTATCCTTGGGATTATTGCCCTAT
 TTCCCGTTGTGAAGGAGATACTACACCTACAATTGTCAATTTGGACCATCCTGTAATATCCTGTGCCAAA
 ACAAACAACCTGCGGGTGTAAATGGCATTCCAACACAAACAACAGTAGGGTGGTGTAGTTTGAAT
 ACAGAAAATAACATATCTGTGGAGGATCATTGATAAAGGAAAGTTGGGTTCTTACTGCAAGACAATGTTT
 TCCAGCCAGAAAACAAGACTTGAAGACTATGAAGCTTGGCTTGGCATCCACGATGTTTCATGAGAGAGGC
 GAGGAGAAGCGCAAGCAGATCTTAAACATTTCCAGCTGGTCTATGGTCTGAAGGCTCAGACTTGGTTT
 TACTGAAGCTTGTCTGACCTGCAATCCTGGATAACTTTGTGAGTACAATTGATTTACCTAGTTATGGTTG
 TACAATCCCTGAAAAGACCACTTGCAGTATTTACGGCTGGGGCTACACTGGATTGATCAACGCGGATGGT
 TTATTACGAGTAGCTCATCTGTATATTATGGGGAATGAGAAATGCAGTCAGCACCATCAAGGCAAGGTGA
 CTTTGAATGAGTCTGAGTTATGTGCTGGGGCTGAAAAGATTGGATCAGGACCATGTGAGGGAGATTATGG
 TGGCCCACTCATTTGTGAACAACAAAAATGAGAATGGTCTTGGTGTGATTGTTCTGCTGGTGGATGT
 GCCATCCCAATCGTCTGGTATTTTTGTTTCGAGTAGCATATTATGCAAAATGGATACACAAAGTAATTT
 TGACATACAAGTT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001289459

Insert Size: 2187 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001289459.1</u> , <u>NP_001276388.1</u>
RefSeq Size:	2827 bp
RefSeq ORF:	2187 bp
Locus ID:	15234
UniProt ID:	<u>Q08048</u>
Cytogenetics:	5 7.07 cM
Gene Summary:	<p>This gene encodes a protein that binds to the hepatocyte growth factor receptor to regulate cell growth, cell motility and morphogenesis in numerous cell and tissue types. The encoded preproprotein is proteolytically processed to generate multiple protein products, including the hepatocyte growth factor alpha and beta chains, which heterodimerize to form the mature active protein. Although this protein is a member of the peptidase S1 family of serine proteases, it lacks peptidase activity. Homozygous knockout mice for this gene exhibit embryonic lethality due to impaired development of the placenta and liver. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same isoform (1).</p>