

Product datasheet for **MC228773**

Hgf (NM_001289461) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hgf (NM_001289461) 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



[View online »](#)

Fully Sequenced ORF: >MC228773 representing NM_001289461
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGTGGGGACCAAACCTTCTGCCGGTCTGTGTGCTGCAGCATGTCCTCTGCACCTCCTCTGCTTC
 ATGTCGCCATCCCCTATGCAGAAGGACAGAAGAAAAGAAGAAATACACTTCATGAATTTAAAAAGTCAGC
 AAAAATACTCTTACCAAGGAAGACCCATTACTGAAGATTTAAACCAAAAAAGTGAACCTCTGCAGATGAG
 TGTGCCAACAGGTGTATCAGGAACAGGGCTTTACGTTCACTTGAAGGCCTTCGTTTTTGATAAGTCAA
 GAAAACGATGCTACTGGTATCCTTTCAATAGTATGTCAAGTGGAGTGAAAAAGGGTTTGGCCATGAATT
 TGACCTCTATGAAAACAAAGACTATATTAGAACTGCATCATTGGTAAAGGAGGCAGCTATAAAGGGACG
 GTATCCATCACTAAGAGTGGCATCAAATGCCAGCCTTGGAAATCCATGATCCCCATGAACACAGCTATC
 GCGGTAAGACCTACAGGAAAATACTGTCGAAATCCTCGAGGGGAAGAAGGGGGACCCTGGTGTTCAC
 AAGCAATCCAGAGGTACGCTACGAAGTCTGTGACATTCCTCAGTGTTCAGAAGTTGAATGCATGACCTGC
 AATGGTGAAAGCTACAGAGGTCCATGGATCACACAGAATCAGGCAAGACTTGTACAGCGCTGGGACCAGC
 AGACACCACACCGGCACAAGTCTTGGCAGAAAGATATCCCGACAAGGGCTTTGATGATAATTATTGCCG
 CAATCCTGATGGCAAGCCGAGGCCATGGTGTACACTCTTGACCCCTGACACCCCTTGGGAGTATTGTGCA
 ATTAACCGTGCCTCACAGTGTGTGAATGAGACTGATGTCCCTATGGAACAACCTGAATGCATTCAAG
 GCCAAGGAGAAGGTTACAGGGGAACCAGCAATACCATTGGAATGGAATCCCTGTCAGCGTTGGGATTC
 GCAGTACCCTACAAGCATGATACACTCCCGAGAACTCAAATGCAAGGACCTTAGAGAAAATTATTGC
 CGCAATCCAGATGGGGCTGAATCACCATGGTGTTCCTGACTGACCCAAACATCCGAGTTGGCTACTGCT
 CTCAAATCCCAAGTGTGACGTCAAGTGGACAAGATTGTTATCGTGGCAATGGGAAAAATTACATGGG
 CAACTTATCCAAAACAAGGTCTGGACTTACATGTTCCATGTGGGACAAGAATATGGAGGATTTACACCGT
 CATATCTTCTGGGAGCCAGATGTAGCAAATTGAATAAGAATTACTGCCGGAATCCTGATGATGATGCC
 ATGGACCTTGGTGTACACGGGAATCCTCTTATTCTTGGGATTATTGCCCTATTTCCCGTTGTGAAGG
 AGATACTACACCTACAATTGTCAATTTGGACCATCCTGTAATATCCTGTGCCAAAACAAAACAACCTGCGG
 GTTGTAATGGCATTCCAACACAAAACAACAGTAGGGTGGATGGTTAGTTTGAATACAGAAATAACATA
 TCTGTGGAGGATCATTGATAAAGGAAAGTTGGGTTCTTACTGCAAGACAATGTTTTCCAGCCAGAAACAA
 AGACTTGAAGACTATGAAGCTTGGCTTGGCATCCACGATGTTTCATGAGAGAGGCGAGGAGAAGCGCAAG
 CAGATCTTAAACATTTCCAGCTGGTCTATGGTCTGAAGGCTCAGACTTGGTTTTACTGAAGCTTGCTC
 GACCTGCAATCCTGGATAACTTTGTGAGTACAATTGATTTACCTAGTTATGGTTGTACAATCCCTGAAAA
 GACCATTGCAAGTATTTACGGCTGGGGCTACACTGGATTGATCAACGCGGATGGTTTATTACGAGTAGCT
 CATCTGTATATTATGGGGAATGAGAAATGCAGTCAGCACCATCAAGGCAAGGTGACTTTGAATGAGTCTG
 AGTTATGTGCTGGGGCTGAAAAGATTGGATCAGGACCATGTGAGGGGAGATTATGGTGGCCCACTCATTTG
 TGAACAACACAAAATGAGAATGGTCTTGGTGTGATTGTTCTGGTGTGGATGTGCCATCCCAAATCGT
 CCTGGTATTTTGTTCGAGTAGCATATTATGCAAAATGGATACACAAAGTAATTTTGACATACAAGTTGT
 AA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001289461

Insert Size: 2172 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_001289461.1, NP_001276390.1</u>
RefSeq Size:	2645 bp
RefSeq ORF:	2172 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 (5) differs in the 5' UTR and uses an alternate in-frame splice site, compared to variant 1. The encoded isoform (3) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>