

Product datasheet for **MC220726**

Hgs (NM_001159328) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hgs (NM_001159328) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hgs
Synonyms:	Hgr; Hrs; tn; ZFYVE8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC220726 representing NM_001159328
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGCAGGCAGCGGCACCTTCGAGCGTCTCCTAGACAAAGCCACCAGCCAGCTTCTGTTGGAGACAG
 ACTGGGAGTCCATTCTACAGATCTGCGACTGATCCGTCAGGGGGACACACAAGCAAAATATGCTGTAAA
 CTCATCAAGAAGAAGGTTAATGATAAGAACCACACGTGGCTTTGTATGCTCTGGAGGTGATGGAGTCT
 GTGGTAAAGAACTGTGGCCAGACAGTCCATGATGAAGTGGCCAACAACAGACCATGGAAGAAGTGAAGG
 AGCTGCTGAAGAGGCAAGTGAAGTAAATGTTCCGAACAAGATCTTGTACCTGATCCAGGCCCTGGGCACA
 TGCCTCCGGAACGAACCAAGTACAAGTGGTCCAGGACACATACCAGATCATGAAGTGAAGGACAT
 GTCTTCCCTGAATTTAAGGAAAGTATGCCATGTTGCTGCTGAAAGAGCCCTGACTGGGTGGATGCTG
 AGGAATGCCATCGGTGCAGAGTACAGTTTGGGGTGGTGACCCGCAAGCATCACTGCCGAGCATGTGGGCA
 GATCTTCTGTGGCAAGTCTCCTCAAGTACTCCACCATCCCAAGTTCGGCATTGAGAAGGAGGTGCCG
 GTGTGTGAGCCCTGCTATGAGCAGCTGAACAAGAAGGCAGAAGGGGAAGGCTTCTCTACCACTGAGCTGC
 CCCCAGAGTACCTGACCAGCCCCCTGTCACAGCAGTCTCAGCTGCCCCAAAGCGGGATGAGACAGCCCT
 GCAGGAAGAGGAGGAGCTACAGCTGGCTCTGGCCCTATCACAGTCAGAGGCTGAGGAGAAAGAGAGGATG
 AGACAGAAAACAACATATACAGCACATCCAAGGCAGAGCCCACGCCCTTGGCTTCTCTGCGCCCCCAG
 CTGGCAGCCTGTATTCTCGCCTGTGAACATCAGCACCTCTGGCTGAGGACATCGACCCTGAGCTTGC
 AAGATACCTCAACCGAACTACTGGGAGAAGAAACAGGAGGAAGCACGGAAGAGCCCCACACCATCTGCA
 CCTGTGCCCTGACAGAGCCTGCTGCCAGCCTGGAGAAGGACATACAGCCCCAACAGCATGGCAGAGG
 CTCTCTTCCAGAGACAGACTCTCAGCCATAACTCCCTGCAGCGGCCCTTTAGTGAGCAGTACCAGAA
 TGGGGAGTCGGAGGAGAGCCATGAGCAGTTCTCAAGGCCCTGCAGAATGCCGTGAGCACTTTTGTCAAC
 CGCATGAAGAGCAACCACATGCGGGGACGAGCATCACCAACGACTCGGGTGTGCTGCTACTCTTCCAGT
 CCATCAACACCATGCACCCGAGCTGCTCGAGCTGCTCAACCAGCTGGATGAGCGCAGGCTGACTACGA
 GGGCCTTCAGGACAAGCTGGCACAGATACGTGACGCCCGAGGGGCTCTGAGCGCCTGCGTGAAGAACAC
 AGGGAGAAGCTGCGCCGGGAGCTGAGGAGGCTGAGCGTCAACGCCAGATCCAGCTGGCACAGAACTGG
 AGATCATGAGACAGAAGAAGCAGGAGTACCTGGAGGTGCAGAGACAGCTAGCTATCCAGCGCCTGCAGGA
 ACAGGAGAAGGAACGGCAGATGCGTCTGGAGCAACAGAAGCAGACTGTCCAGATGCGCGCCAGATGCCT
 GCCTTTCCCTTGCTTATGCCAGCTCCAGGCTATGCCACGGCTGGGGGTGACTCTACCAGCCCTCAG
 GCCAACCAGCTTCCCTGCCACCTCAGCCAGCAGGCTCAGTAGAGGGCTCTCCGATGCATGGTGTGTA
 TATGAGCCAGCCAGCCCCAGCCACTGGCCCTACCCAGCATGCCTGGCACAACAGCAGATCCCAGCATG
 GTCAGCGCCTACATGTACCCAACAGGTGCCCTGGGGCACAGGCAGCCCTCAGGCCAGGCCGGGCCCCA
 CCACCAGTCTGCTACTCCTCTACCAGCCACACCAACCCAGGCTACCAGAGCGTGGCTTCTCAGGC
 CCCACAGAGCCTCCAGCCATCTCACAGCTCCACAGACCAGCAACATAGGCTACATGGGGAGCCAGCCA
 ATGTCCATGGGCTACCAGCCGTACAATATGCAGAATCTCATGACCGCCCTTCCGGGCAGGATGCGTCTC
 TGCCAGCCAGCAGCCCTACATCCAGGGCAGCAGCCCTGTACCAGCAGATGGCCCCAGCACCAGGCC
 TCCCCAGCAGCAACCCCTGTGGCCAGCCAGCGCCTACACAGGGACCGCCAGCACAGGGCAGTGAGGCC
 CAGCTCATCTCCTTTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001159328
Insert Size: 2331 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).
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:	NM_001159328.1 , NP_001152800.1
RefSeq Size:	2908 bp
RefSeq ORF:	2331 bp
Locus ID:	15239
UniProt ID:	Q99LI8
Cytogenetics:	11 84.16 cM
Gene Summary:	<p>Involved in intracellular signal transduction mediated by cytokines and growth factors. When associated with STAM, it suppresses DNA signaling upon stimulation by IL-2 and GM-CSF. Could be a direct effector of PI3-kinase in vesicular pathway via early endosomes and may regulate trafficking to early and late endosomes by recruiting clathrin. May concentrate ubiquitinated receptors within clathrin-coated regions. Involved in down-regulation of receptor tyrosine kinase via multivesicular body (MVBs) when complexed with STAM (ESCRT-0 complex). The ESCRT-0 complex binds ubiquitin and acts as sorting machinery that recognizes ubiquitinated receptors and transfers them to further sequential lysosomal sorting/trafficking processes. May contribute to the efficient recruitment of SMADs to the activin receptor complex. Involved in receptor recycling via its association with the CART complex, a multiprotein complex required for efficient transferrin receptor recycling but not for EGFR degradation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>