

Product datasheet for **RR201860**

Hgs (NM_019387) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hgs (NM_019387) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hgs
Synonyms:	Hrs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR201860 representing NM_019387
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGCGAGGCAGCGGCACCTTCGAGCGTCTCCTAGACAAAGCCACCAGCCAGCTTCTATTGGAGACAG
 ACTGGGAGTCCATTCTACAGATCTGCGACTGATCCGTCAGGGGACACACAAGCAAAATATGCTGTAAA
 CTCATCAAGAAGAAGGTCAATGATAAGAACCACATGTGGCTTTGTATGCTCTGGAGGTGATGGAGTCT
 GTGGTAAAGAACTGTGGCCAGACAGTCCATGATGAAGTGGCCAACAACAGACCATGGAAGAAGTGAAGG
 AGCTGCTGAAGAGGCAAGTGAAGTTAATGTTCCGAACAAGATCTTGTACCTGATCCAGGCCCTGGGCACA
 TGCGTTCGGAATGAACCAAGTACAAGTGGTCCAGGACACATACCAGATCATGAAGTGAAGGACAT
 GTCTTCCCTGAGTTTAAGGAGAGCGACCCATGTTTGTCTGCTGAAAGAGCCCTGACTGGGTGGATGCTG
 AGGAGTGCATCGGTGCAGAGTACAGTTTGGAGTGGTGACCCGCAAGCATCACTGCCGAGCGTGTGGGCA
 GATCTTTTGTGGCAAGTGTTCCTCCAAGTACTCCACCATCCCCAAGTTCGGCATTGAGAAGGAAGTCCGC
 GTGTGTGAGCCCTGCTATGAGCAGCTGAACAAGAAGGCAGAAGGGAAAGCTGCCTTACCACTGAGCTGC
 CCCCAGAGTACCTGACCAGCCCCCTGTCACAGCAGTCTCAGCTGCCCCAAAGCGGGATGAGACAGCACT
 GCAAGAAGAGGAGGAGCTACAGCTGGCGCTGGCCCTATCACAGTCAGAGGCTGAGGAGAAGGAAAGGATG
 AGACAGAAGTCAACATACACAGCGCATCCAAGTCAAGAGCCTGCGCCCTTGGCTTCTCTGCACCCCAAG
 CTGGTAGCCTGTACTCCTCGCCTGTGAAGTCAACAGCCTCTGGCTGAGGACATCGACCCTGAGCTTGC
 AAGTACCTCAACCGAACTACTGGGAGAAGAAACAGGAAGAAGCTCGGAAGAGCCCCACACCATCTGCA
 CCTGTGCCCTGACCGAGCCAGCTGCCAGCCCGGAGAAGGACATACAGCCCCAACAGCATGGTAGAGG
 CCCCTCTCCAGAGACAGACTCTCAGCCATAACTTCTGCAAGTGGCCCTTTAGTGAAGCAGTACCAGAA
 CGGGGAGTCGGAGGAGAGCCACGAGCAGTTCTCAAGGCCCTGCAGAATGCAGTCAGCACTTTTGTCAAC
 CGCATGAAGAGCAACCACATGAGGGGCCGAGTATCACCATGACTCGGCTGTGCTGTCCCTCTCCAGT
 CCATCAATAGCACACACCACAGCTGCTCGAGTCTCAACCGGCTGGATGAGCGCAGGCTGACTACGA
 GGGGCTTCAGGACAAGCTGGCACAGATACGTGATGCCGAGGGGCCCTGAGTGCCTGCGTGAAGAGCAC
 AGGAGAAGCTGCGCCGGGCAGCTGAGGAGGGGAGCGTCAACGTGAGTCCAGCTGGCACAGAAGCTGG
 AGATCATGAGACAAAAGAAGCAGGAGTATCTGGAGGTGCAGAGACAGCTAGCTATCCAGCGTCTGCAGGA
 ACAGGAGAAGGAACGGCAGATGCGCCTGGAGCAACAGAAGCAGACTGTCCAGATGCGTCCCAGATGCCT
 GCCTTCCCCTTGCTTATGCCAGCTCCAGGCTATGCCACAGCTGGGGGTGACTCTACCAGCCCTCAG
 GCCAACCAGCTTCTGCGACCTTAGCCAGCAGGCTCAGTAGAGGGCTCTCCGATGCATGGTGTGTA
 TATGAGCCAGCCAGCCCCAGCCACTGGCCCTACCCAGCATGCCTGGCACACAGCAGATCCCAGCATG
 GTCAGCGCTACATGTACCCAGCAGGTGCCCTGGGGCACAGGCAGCCCTCAGGCCAGGCCGGGCCCA
 CCACCAACCCTGCCTACTCCTGTACCAGCCTACTCCAACCCAGGCTACCAGGCCCCACAGAGCCTCCC
 AGCCATCTCCAGCCTCCACAGACCAGCAACATTGGCTACATGGGGAGCCAGCCAATGTCATGGGCTAC
 CAGCCATACAACATGCAGAATCTCATGACCACCCTTCCAGGCCAGGATGCGTCTCTGCCAGCCAGCAGC
 CCTACATCACAGGGCAGCAGCCATGTACCAGCAGATGGCACCCAGCACTGGCCCTCCCCAGCAGCAGCC
 CCTGTGGCCCAACCGCCACCTACACAGGGACCGCCAGCACAGGGCAATGAGACCCAGCTCATCTCCTTC
 GAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201860 representing NM_019387
 Red=Cloning site Green=Tags(s)

MGRGSGTFERLLDKATSQLLLETDWESILQICDLIRQGDQAKYAVNSIKKKVNDKNPHVALYALEVMES
 VVKNCGQTVHDEVANKQTMEEKELLKRQVEVNRNKILYLIQAWAHAFRNEPKYVVQDTYQIMKVEGH
 VFPEFKESDAMFAAERAPDWDAEECHRQVQFVGVTRKHHCRACGQIFCGKCSSKYSTIPKFGIEKEVR
 VCEPCYELNKKAEKAASTTELPPEYLTSPLSQSQQLPPKRDETALEEEELQLALALSQSEAEKERM
 RQKSTYTAHPKSEPAPLASSAPPAGSLYSSPVNSSAPLAEDIDPELARYLNRNYWEKKQEEARKSPTPSA
 PVPLTEPAAQPGEGHTAPNSMVEAPLPETDSQPITSCSGPFSEYQNGESEEESHEQFLKALQNAVSTFVN
 RMKSNHMRGRSITNDSAVLSLFQSINSTHPQLLELLNRLDERRLYYEGLQDKLAQIRDARGALSALREEH
 REKLRRAAEEAERQRIQLAQKLEIMRQKKQEYLEVQRQLAIQRLQEKEKERQMRLEQQKQTVQMRQMP
 AFPLPYAQLQAMPTAGGVLYQPSGPTSFPGTFSPAGSVEGSPMHGVYMSQPAPATGPYPSPGTTADPSM
 VSAYMYPAGAPGAQAAPQAQAGPTTNPAYSSYQPTPTPGYQAPQSLPAISQPPQTSNIGYMGSPMSMGY
 QPYNMQNLMTTLPGQDASLPAQQPYITGQQPMYQQMAPSTGPPQQPPVAQPPPTQGPPAQGNETQLISF
 D

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_019387

ORF Size: 2313 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_019387.2](#), [NP_062260.2](#)

RefSeq Size: 2846 bp

RefSeq ORF: 2316 bp

Locus ID: 56084

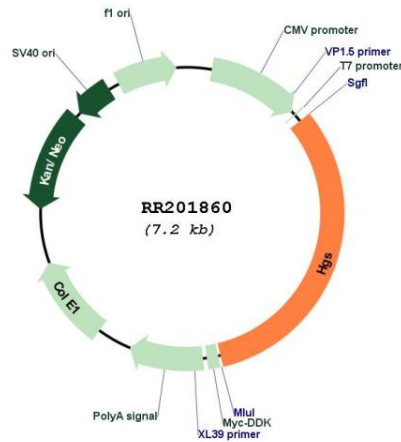
UniProt ID: [Q9J150](#)

Cytogenetics: 10q32.3

MW: 85.7 kDa

Gene Summary: interacts with SNAP-25 and is involved in regulation of neurosecretion [RGD, Feb 2006]

Product images:



Circular map for RR201860