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Product datasheet for RR208188

Gas6 (NM_057100) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gas6 (NM_057100) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gas6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RR208188 representing NM_057100
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGCCACCGCCCGGGCCCACCGCCGCCCTGGGCACTGCGCTTCTGCTGCTCCTGCTGGCCTCCGAGT
CTTCGCACACTGTGCTGTTGCGGGCGCGTGAGGCGGCGCAGTTCCTGCGGCCCAGGCAGCGCCGCGCCTA
CCAAGTCTTCGAGGAGGCCAAGCAGGGCCACCTGGAACGGGAGTGCGTGGAGGAGGTGTGCAGCAAGGAG
GAGGCTAGAGAGGTGTTCGAGAACGACCCCGAGACGGACTATTTCTATCCAAGATATCAAGAGTGCATGA
GGAAATATGGCCGGCCCGAAGATAAAAACCCAAATTTCGCCACCTGTGTTAAGAACTTACCTGACCAATG
CACCCCAAACCCCTGTGATAAGAAGGGCACTCAACTCTGCCAAGACCTCATGGGCAACTTCTTCTGCTTG
TGCAAAGATGGCTGGGGAGGCCGGCTCTGTGACAAAGATGTCAACGAGTGTAGTCAGAAGAATGGGGGCT
GCAGCCAGGTCTGCCATAACAAACCAGGAAGCTTCCAATGTGCCTGCCACAGTGGCTTCTCACTTCAATC
AGACAACAAGAGCTGCCAAGATATAGATGAATGCACAGACTCAGACACCTGTGGGGATGCGCGTTGCAAG
AACCTTCCGGGCTCCTACTCCTGCCTCTGCGACAAGGGGTACACTTACAGCTCCAAGGAGAAGACCTGCC
AAGATGTGGATGAGTGCCAGCAGGACCGTTGTGAGCAGACCTGTGTCAACTCCCCAGGCAGCTATACCTG
CCACTGTAATGGGCGCGGGGGCCTAAAACTGTCCCCAGACATGGATACCTGTGAGGACATCTTACCGTGT
GTGCCCTTCAGCATGGCCAAGAGCGTCAAGTCCTTGTACCTGGGCCGCATGTTCAGCGGGACCCCCGTGA
TTAGACTACGCTTCAAGAGGCTCCAGCCTACCAGGCTGCTGGCCGAATTTGACTTCCGTACTTTTGACCC
TGAGGGAGTCCTCTTCTTCGCCGGAGGTCGCTCGGATAGCACCTGGATCGTCCTGGGCTTCAGGGCTGGG
CGACTTGAGTTGCAGCTACGGTACAATGGCGTTGGACGCATCACCAGCAGTGGGCCAACCATCAACCACG
GCATGTGGCAAACGATCTCTGTGGAAGAACTGGACCGCAACCTTGTCATCAAGGTCAACAAAGATGCCGT
GATGAAGATTGCGGTGGCTGGGGGGCTGTTCCAGCTAGAGAGAGGCCTGTACCACCTGAATCTCACTGTG
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GCTGGAACTGGCTGAATGGGGAAGACAGTGCCATTCAGGAAACGGTCAAGGCCAATACAAAAATGCAGTG
CTTCTCTGTGACAGAGAGGGGCTCCTTCTTCCCGGGGAATGGATTTGCCTTCTATAGCCTCAACTACACC
CGGACATCGCTGGATGTCGGCACGGAAACCACCTGGGAAGTAGAAGTCGTGGCTCGCATTCGCCCTGCCA
CTGACACGGGGGTGCTGATGGCACTGGTGGGGGACAAAGACGTCGTCCTCCTCTCTGTGGCCCTGGTCGA
CTACCACTCCACAAAGAAGCTCAAGAAGCAGCTGGTGGTCCTGGCAGTTGAGAATGTTGCCCTGGCCCTG
ATGGAAATCAAGGTGTGCGACAGCCAGGAACACACTGTCACTGTCTCCCTGCGGGATGGCGAGGCCACCC
TGGAAGTGGATGGTACCAAGGGCCAGAGCGAAGTGAGCACCGCACAGCTGCAGGAGCGACTGGACCTGCT
TAAGACACGTCTGCAAGGCTCCGTGCTCACCTTTGTGGGGGGCCTGCCAGATGTACAAGTGACTTCCACA
CCCGTCACGGCGTTCTACCGTGGATGCATGACTCTGGAGGTAAACGGGAAGACCCTGGACCTGGATACGG
CCTCCTACAAGCACAGTGACATCACCTCCCACTCCTGCCCGCCTGTGGAGCACGTCACAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

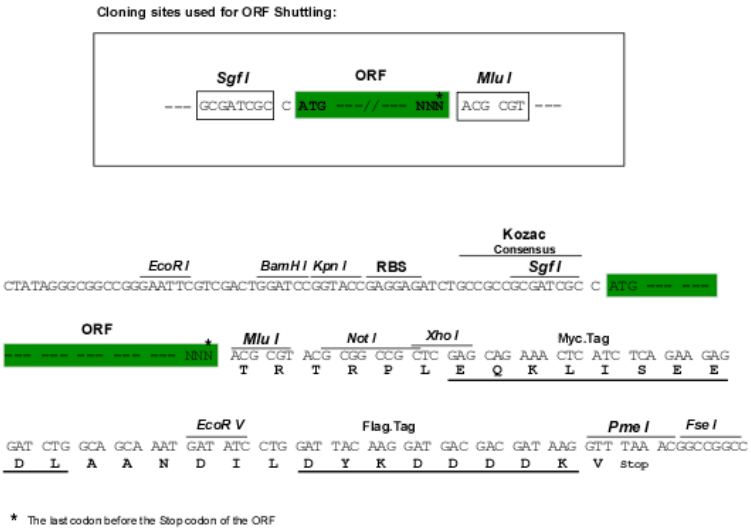
>RR208188 representing NM_057100
Red=Cloning site Green=Tags(s)

MPPPPGPTAALGTALLLLLLASESSHTVLLRAREAAQFLRPRQRRAYQVFEEAKQGHLERECVEEVCSKE
EAREVFENDPETDYFYPRYQECMRKYGRPEDKNPNFATCVKNLPDQCTPNPCDKKGTQLCQDLMGNFFCL
CKDGWGGRLCDKDVNECSQKNGGCSQVCHNKPGSFQCACHSGFSLQSDNKSCQDIDECTDSDTCGDARCK
NLPGSYSCLCDKGYTYSSKEKTCQDVDECQQDRCEQTCVNSPGSYTCHCNGRGGLKLSPDMDTCEDILPC
VPFSMAKSVKSLYLGRMFSGTPVIRLRFKRLQPTRLLAEFDFRTFDPEGVLFFAGGRSDSTWIVLGFRAG
RLELQLRYNGVGRITSSGPTINHGMWQTISVEELDRNLVIKVNKDAVMKIAVAGGLFQLERGLYHLNLTV
GGIPFKESDLVQPINPRLDGCMRSWNWLNGEDSAIQETVKANTKMQCFSVTERGSFFPGNGFAFYSLNYT
RTSLDVGTETTWEVEVVARIRPATDTGVLMALVGDKDVVLLSVALVDYHSTKKLKKQLVVLAVENVALAL
MEIKVCDSQEHTVTVSLRDGEATLEVDGTKGQSEVSTAQLQERLDLLKTRLQGSVLTFVGGLPDVQVTST
PVTAFYRGCMTLEVNGKTLDLDTASYKHSDITSHSCPPVEHVTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_057100

ORF Size: 2022 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_057100.2, NP_476441.2

RefSeq Size: 2560 bp

RefSeq ORF: 2025 bp

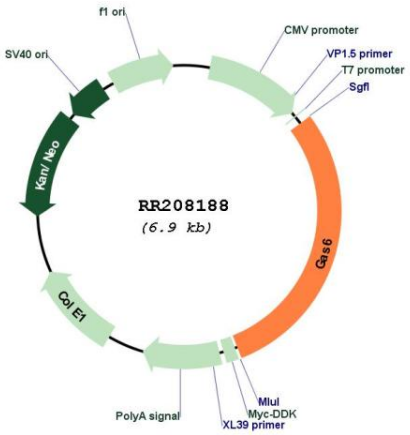
Locus ID: 58935

Cytogenetics: 16q12.5

MW: 74.7 kDa

Gene Summary: provides protection of neurons against serum deprivation-induced apoptosis [RGD, Feb 2006]

Product images:



Circular map for RR208188