

Product datasheet for **RR215669**

Gspt1 (NM_001003978) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gspt1 (NM_001003978) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gspt1
Synonyms:	MGC94063
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR215669 representing NM_001003978
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCCAGCAGCGGAGGTGGTGGCGGAGCGCGCGCGCGCGGGAGCAGCAGCAGCAGTACGG
 ACTCTGCGCCGACTGCTGGGACCAGACCGATATGGAGGCTCCCGGGCCGGGCCTTGCGCGGTGGCTC
 CATGGCCGCGGTGGCCGAGGCCAGCGTGAGAACCCTCAGCGCGGCTTTCAGCCGGCAACTCAACGTC AAC
 GCCAAGCCCTTCGTCCTCCCAACGTCACGCGCGGAATTCGTGCCGTCTTCTGCGAGGTCGGGCCAGC
 CGCCGCTATCCCGGCTGGCGCGCCGGCGGTGACCACGGAGCGGGCAGCAGCGGGAGGCCCTTCGGA
 ACCTGTGGAGTCTCTCAAGAGCAGTCATTGTGTGAAGTTCAAATCTACTGTTAGCATGGAACTTTCA
 GAACCTGTTGTAGAAAATGGAGAGACAGAAATGTCCCAGAAGAATCATGGGAGCACAAGAAGAAATAA
 GTGAAGCCGAGCCAGCAGGTGGTGGTTCCTCAGGAGATGGAAGGCCACCAGAGGAAAGCACCCAAGAAAT
 GATGGAGGAGGAAGAAGAAATACCAAACTAAGTCAGTGGTGGCACCACCAGGCGCTCCTAAGAAAGAG
 CATGTAATGTAGTGTTTCATCGGCATGTGGATGCTGGCAAGTCAACCATTGGAGGACAAAATAATGTATT
 TGAAGTGGATGGTGCACAAAAGAACACTTGAGAAATATGAACGAGAAGCTAAAGAAAAAACAGAGAAAC
 TTGGTACTTGTCTGGGCCTTAGACACAAATCAGGAAGAGCGAGACAAGGGTAAAACAGTAGAGGTGGGC
 CGTGCCTATTTTGAACGGAAAAAAGCATTTTACAATCCTAGATGCTCCTGGCCATAAGAGTTTTGTCC
 CAAATATGATTGGTGGTCCCTCAAGCTGACTTGGCTGTACTGGTAATCTCAGCCCGAAAAGGAGAGTT
 TGAAACTGGATTTGAAAAAGGAGGACAGACAAGAGAACATGCGATGTTGGCAAAGACAGCAGGTGTCAA
 CACTTAATCGTGCTTATTAATAAGATGGATGATCCAACAGTAACTGGAGCAATGAGAGATATGAAGAAT
 GCAAAGAGAAATTAATACCATTTTTAAAGAAAGTTGGCTTCAATCCAAAAAGGACATTTTATGCC
 CTGCTCAGGACTGACAGGAGCAAACTTTAAAGAGCAATCAGATTTCTGTCTTGGTACATTGGCTTACCA
 TTTATTCCATATCTGGATAATTTGCCAACTTCAATAGATCAGTTGATGGACCAATCAGGCTGCCAATTG
 TGGATAAGTACAAGGATATGGGACTGTGGTCTGGGAAAGCTGGAATCTGGATCCATCTGTAAAGGCCA
 GCAGCTCGTAATGATGCCAATAAGCACACGTTGGAGGTCCTTGGAACTTTCTGATGATGTAGAGACG
 GACTCTGTAGCTCCAGGTGAAAACCTCAAATCAGACTGAAAGGGATTGAAGAGGAAGAGATTCTCCAG
 GATTCATCCTCTGTGATCTTAATAATCTTTGTCATTCTGGACGCACATTCGATGCCAGATAGTGATTAT
 AGAGCACAAAGTCCATCATCTGCCAGGGTATAATGCGGTGCTGCACATTCACACCTGTATCGAGGAAGTC
 GAGATAACGGCCTTAATCTGCTTGGTAGACAAAAAATCAGGAGAAAAAGTAAGACTCGACCCCGTTTTG
 TAAAGCAAGATCAAGTATGCATTGCTCGTTTAAAGGACAGCAGGAACCATCTGCCTGGAGACCTTTAAGGA
 CTTCCCTCAGATGGGACGTTTTACCTTAAGAGATGAAGGTAAGACCATTGCAATTGGAAAAGTTCTGAAA
 CTGGTTCCAGAGAAAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215669 representing NM_001003978
 Red=Cloning site Green=Tags(s)

MDPSSGGGGGGGGSSSSSDSAPDCWDQTDMEAPGPGCGGGGMAAVAEAQRENLSAAF SRQLNVN
 AKPFVVPNVHAAEFVPSFLRGPAPPLSPAGAAGGDHAGSSAGGPSEPVSSQEQLCEGSNSTVSMELS
 EPVVENGETEMSPSEESWEHKEEISEAEPAGGSSGDGRPPEESTQEMEEEEEEIPKPKSVVAPPGAPKKE
 HVNVVFIGHVDAGKSTIGGQIMYLTGMVDKRTLEKYEREAKEKNRETWYLSWALDTNQEERDKGKTVEVG
 RAYFETEKKHFTILDAPGHKSFVPMIGGASQADLAVLVI SARKGEFETGFEEKGGQTRHAMLAKTAGVK
 HLIVL INKMDPTVNSNERYEECKEKLIPFLKKG VGFNPKKDIHFMPCSGLTGANLKEQSDFCPWYIGLP
 FIPYLDNLPNFRSVDGPIRLPIVDKYKDMGTVVLGKLESGSICKGQQLVMPNKHNEVLGILSDDVET
 DSVAPGENLKIRLKGIEEEEILPGFILCDLNNLCHSGRTFDAQIVIIIEHKSIIICPGYNAVLHIHTCIEEV
 EITALICLVDKKSGEKSKTRPRFVKQDQVCIALRLRTAGTICLETFKDFPQMGRFTLRDEGKTI AIGKVLK
 LVPEKD

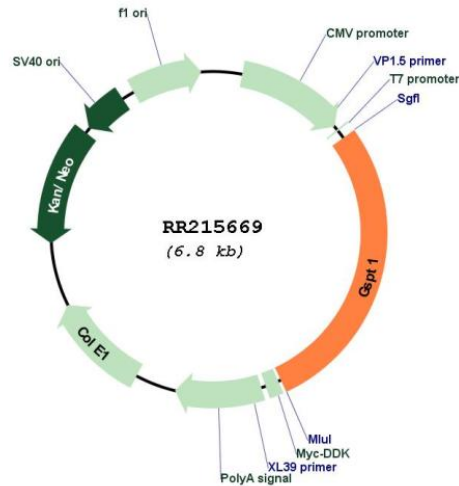
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001003978

ORF Size: 1908 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_001003978.1](#), [NP_001003978.1](#)

RefSeq Size: 2568 bp
RefSeq ORF: 1911 bp
Locus ID: 24420
Cytogenetics: 10q11
MW: 68.8 kDa
Gene Summary: human homolog plays a role in translational elongation and in regulation of apoptosis [RGD, Feb 2006]