

Product datasheet for **MC202205**

Gspt1 (NM_146066) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gspt1 (NM_146066) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gspt1
Synonyms:	AI314175; AI326449; AV307676; C79774; G1st; Gst-1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC031640 sequence for NM_146066
 TGGATCCCAGCAGCGGCGGTGGCGGCGGTGGCGGCGGCGGTGGGAGCAGCAGCAGCAGCGACTCTGCGCC
 CGACTGCTGGGACCAGACAGATATGGAGGCCCCCGGGCCCGGCCCTTGCGCCGGCGGGAGCGGCAGC
 GGCTCCATGGCCGCGGTGGCCGAGGCCAGCGTGAGAACCTCAGCGCGGCTTTCAGCCGGCAACTCAACG
 TCAACGCCAAGCCTTTCGTCCTCAACGTCACGCGCGTGAATTCGTGCCGTCCTTCTGCGGGTCCGGC
 CCAGCCGCGCTATCCCAGCTGGCGCAGCCGGCGGACCACGGAGCAGGCAGCGCGGGGAGGCCCT
 TCGGAACCTGTAGAGTCCTCTCAAGACCAGTCGTGTGAAGTTCAAATTTCTACTGTTAGCATGGAACCTT
 CAGAACCTGTTGTGAAAATGGAGAGACAGAAATGTCCCAAGAATCATGGGAGCACAAAGAAGAAAT
 AAGTGAAGCGGAGCCAGGGGTGGTTCCTCAGGAGATGGAAGGCCACCAGAGAAAGCACCAAGAATG
 ATGAGGAGGAGGAAGAAATACCGAAACCTAAGTCAGCGGTGGCACCACCAGGTGCTCCCAAGAAGAAC
 ATGTAATGTAGTGTTTCATCGGACATGTTGATGCAGGCAAGTCAACCATTGGAGGACAAATAATGATTT
 GACTGGAATGGTCGACAAAAGGACACTTGAGAAGTATGAACGAGAAGCTAAAGAAAAAACAGAGAACT
 TGGTACTGTCTTGGCCTTAGACACGAATCAGGAAGAACGAGACAAGGGCAAACCGTGGAGGTGGGTC
 GTGCCATTTTGAACGAAAAGAAGCATTTTACAATTTAGATGCTCCTGGCCATAAGAGTTTTGTCC
 AAATATGATTGGTGGTGCCTCTCAAGCTGACTTGGCTGTACTGGTAATCTCAGCCAGGAAAGGAGATTT
 GAAACTGGATTTGAAAAGGAGGACAGACAAGAGAATGCAATGTTGGCAAAGACAGCAGGTGTCAAC
 ACTTAATTGTGCTTATTAATAAGATGGATGATCAACGGTAAACTGGAGCAACGAGAGATATGAAGAATG
 CAAAGAGAACTAGTACCATTTTTGAAAAAGTTGGCTTCAATCCAAAAAGGACATTCATTTATGCCG
 TGCTCAGGACTGACAGGAGCGAATCTTAAAGAACAATCAGATTTCTGTCTTGGTACATTGGCTTACCAT
 TTATCCATATCTGGATAATTTGCCAACTTCAATAGATCAGTTGATGGACCAATCAGGCTGCCAATTGT
 CGATAAGTACAAGGATATGGGACTGTGGTCTGGGAAAGCTGGAATCTGGATCTATTTGTAAGGCCAG
 CAGCTTGAATGATGCCAAATAAGCACAACGTGGAAGTTCTTGAATACTTTCTGATGATGTAGAAACGG
 ACTCTGTAGCTCAGGTGAAAACCTCAAATCAGACTGAAAGGAATTGAAGAGGAAGAGATCTTCCAGG
 ATTCATCCTTTGTGATCTTAATAATCTTTGTCTTCTGGACGCACATTTGATGCTCAGATAGTGATTATA
 GAGCACAAGTCCATCATCTGCCAGGTATAATGCGGTGCTGCATATTCATACCTGTATCGAAGAAGTCG
 AAATAACAGCCTTAATCTGCTTGGTAGACAAGAAATCAGGAGAGAAAAGTAAAGACTCGACCCCGTTTTGT
 AAAACAAGATCAAGTATGCATTGCGCGTTAAGGACAGCAGGAACCATCTGCCTGGAGACCTTTAAGGAC
 TTCCCTCAGATGGGACGTTTTACCTTAAGAGATGAGGGTAAGACCATTGCAATTGGAAAAGTTCTGAAAC
 TGGTCCAGAGAAAGACTAAGCATTTTCTTGTGACCTGCACAGTACTGTGAGGAAAATTGACTGCAAA
 AGCCTACTTACACCCGCTTCTTACTTTCTGCCATTGACAAACCTCTCCCATACTTTGCAAAGAAA
 ATTCACAGCAAAGTCCACATTATGTCAGCTTTCTCATATTGAGAGCTCTGCTATGCCACTGTTGAATTT
 TCCCAAGATTTTCCCCCTTTCAAACCTCGCTTCTTGGACAGATTTGGCAATAGCTTTGTAAGTGATG
 TGGACATAATTGCCTACAATAATGAAAACCTACAGGAATTTTTTATTTTTCATTTTCTTCTTAGGCATA
 GTTAGTCTTTTCCCCAGGCAGATGATTTGAGTGTGGGAGTGTGTCTGCACATGTTAAAAAGACAAC
 ACCATATTAATAAAATATTCAATTTGAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_146066

Insert Size: 1764 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:

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: [BC031640](#), [AAH31640](#)

RefSeq Size: 2359 bp

RefSeq ORF: 1764 bp

Locus ID: 14852

UniProt ID: [Q8R050](#)

Cytogenetics: 16 6.38 cM

Gene Summary: Involved in translation termination in response to the termination codons UAA, UAG and UGA (By similarity). Stimulates the activity of ETF1 (By similarity). Involved in regulation of mammalian cell growth (By similarity). Component of the transient SURF complex which recruits UPF1 to stalled ribosomes in the context of nonsense-mediated decay (NMD) of mRNAs containing premature stop codons (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.