

Product datasheet for MR202273

Gstp1 (NM_013541) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Gstp1 (NM_013541) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Gstp1
 Synonyms: GstpiB
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR202273 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCACCATACACCATTGTCTACTTCCCAGTTCGAGGGCGGTGTGAGGCCATGCGAATGCTGCTGGCTG
 ACCAGGGCCAGAGCTGGAAGGAGGAGGTGGTTACCATAGATACCTGGATGCAAGGCTTGCTCAAGCCCAC
 TTGTCTGTATGGCAGCTCCCAAGTTTGAGGATGGAGACCTCACCTTTACCAATCTAATGCCATCTTG
 AGACACCTTGGCGCTCTTTGGGCTTTATGGAAAAACCAGAGGGAGGCCGCCAGATGGATATGGTGA
 ATGATGGGGTGGAGGACCTTCGCGGCAAATATGTCACCCTCATCTACACCAACTATGAGAATGGTAAGAA
 TGACTACGTGAAGGCCCTGCCTGGGCATCTGAAGCCTTTTGAGACCCTGCTGTCCAGAACCAGGGAGGC
 AAAGCTTTCATCGTGGGTGACCAGATCTCCTTTGCCGATTACAACCTTGCTGGACCTGCTGCTGATCCACC
 AAGTCTGGCCCCCTGGCTGCCTGGACAACCTCCCCTGCTCTCTGCCTATGTGGCTCGCCTCAGTGCCCCG
 GCCAAGATCAAGGCCTTTCTGTCTCCCCGGAACATGTGAACCGTCCCATCAATGGCAATGGCAAACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

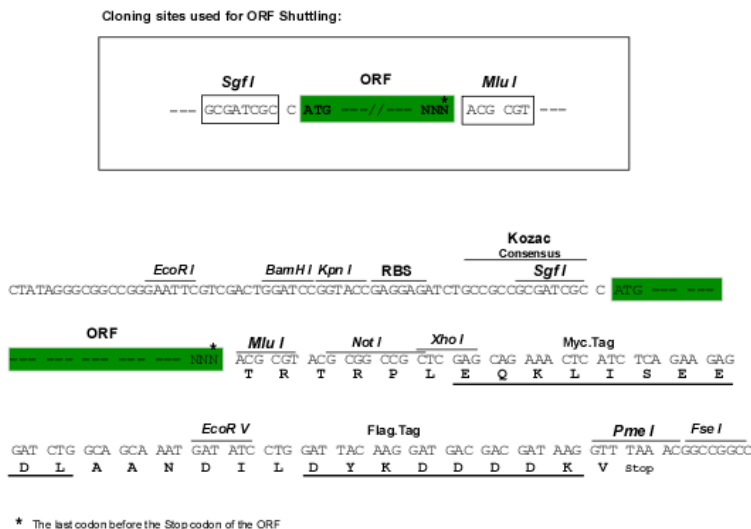
>MR202273 protein sequence
 Red=Cloning site Green=Tags(s)
 MPPYTIYVFPVRGRCEAMRMLLADQGSWKEEVTIDTWMQGLLKPCLYQLPKFEDGDLTYQSNAIL
 RHLGRSLGLYGKNQREAAQMDMVDGVEDLRGKYVTLIYTNYENGKNDYVKALPGHLKPFETLLSQNQQG
 KAFIVGDQISFADYNLLDLLLIHQVLAAGCLDNFPLLSAYVARLSARPKIKAFLLSPEHVNRPIPINGNKQ
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013541

ORF Size: 633 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_013541.1](#), [NP_038569.1](#)

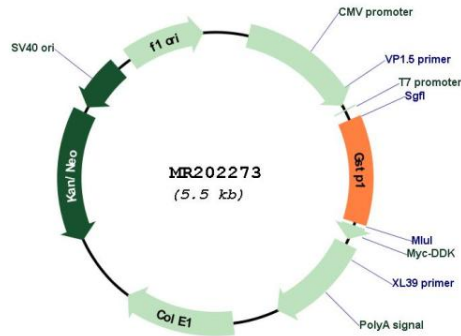
RefSeq Size: 744 bp

RefSeq ORF: 633 bp

Locus ID: 14870

UniProt ID: [P19157](#)

Cytogenetics: 19 3.75 cM
MW: 23.6 kDa
Gene Summary: Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Can metabolize 1-chloro-2,4-dinitrobenzene. Regulates negatively CDK5 activity via p25/p35 translocation to prevent neurodegeneration (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR202273