

Product datasheet for MR216722

Gpx5 (NM_010343) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpx5 (NM_010343) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpx5
Synonyms:	Arep; AV379049
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216722 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTACAGAGTTAAGAGTCTTCTATCTTGTTCCTTCTTAGCCAGCTATGTGCAGACAACCCCCA
GGCCGGAAAAGATGAAGATGGACTGCTACAAAGACGTGAAAGGCACCATCTACGACTATGAGGCTCTGTC
TCTTAATGGGAAGGAACACATTCATTCAAGCAGTATGCAGGAAAGCACGTCCTCTTTGTCATGTGGCT
ACCTATTGCGGTCTGACAATCCAGTACCCTGAGCTGAATGCACTCCAGGAGGATCTGAAGCCATTTGGCT
TGTTATATTGGGCTTTCCCTGCAACCAATTTGGAAAGCAAGAACCAGGAGACAATTTAGAGATTCTTCC
TGGGCTCAAGTATGTTCCGTCAGGAAAAGGTTTTACCTAACTCCAGCTTTTTGCAAAAAGGGGATGTA
AATGGTGAACGAGCAGAAAATCTTCACTTCTTGAAGCGTTCTTGTCTCACCCCTCAGAGACTGTGG
TCATGAGCAAACATACCTTCTGGGAGCCAATAAAGTCCATGACATCCGCTGGAACCTTGAGAAGTTCT
GGTGGGACCCGATGGCGTCCCTGTATGCGCTGGTTCCACCAGGCTCCTGTGAGCACTGTCAAGTCTGAC
ATCATGGCGTACCTGAGCCATTTCAAACCATATA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_010343.1](#), [NM_010343.2](#), [NP_034473.2](#)

RefSeq Size: 1629 bp

RefSeq ORF: 666 bp

Locus ID: 14780

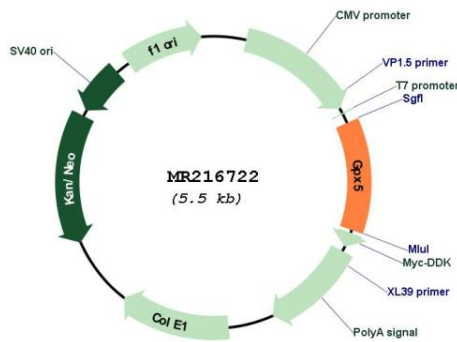
UniProt ID: [P21765](#)

Cytogenetics: 13 7.73 cM

MW: 25.4 kDa

Gene Summary: Protects cells and enzymes from oxidative damage, by catalyzing the reduction of hydrogen peroxide, lipid peroxides and organic hydroperoxide, by glutathione. May constitute a glutathione peroxidase-like protective system against peroxide damage in sperm membrane lipids.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216722