

Product datasheet for MC208596

Gpx5 (NM_010343) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Gpx5 (NM_010343) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Gpx5
 Synonyms: Arep; AV379049
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC208596 representing NM_010343
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTTACAGAGTTAAGAGTCTTCTATCTTGTTCCTTCTTAGCCAGCTATGTGCAGACAACCCCCA
 GGCCGGAAAAGATGAAGATGGACTGCTACAAAGATGTGAAAGGCACCATCTACGACTATGAGGCTCTGTC
 TCTTAATGGGAAGGAACACATTCCATTCAAGCAGTATGCAGGAAAGCACGTCCTCTTTGTCATGTGGCT
 ACCTATTGCGGTCTGACAATCCAGTACCCTGAGCTGAATGCACTCCAGGAGGATCTGAAGCCATTTGGCT
 TGGTTATATTGGCTTTCCCTGCAACCAATTTGGAAAGCAAGAACCAGGAGACAATTTAGAGATTCTTCC
 TGGGCTCAAGTATGTTTCGTCAGGAAAAGGGTTTTTACCTAACTCCAGCTTTTTGCAAAAGGGGATGTA
 AATGGTGAACGAGCAGAAAATCTTACCTTCTGAAGCGTTCTTGTCTCACCCCTCAGAGACTGTGG
 TCATGAGCAAACATACCTTCTGGGAGCCAATAAAAGTCCATGACATCCGCTGGAACCTTTGAGAAGTTCCT
 GGTGGGACCCGATGGCATCCCTGTCATGCGCTGGTTCACCAGGCTCCTGTCAGCACTGTCAAGTCTGAC
 ATCATGGCGTACCTGAGCCATTTCAAACCATA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_010343
 Insert Size: 666 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:	<ol style="list-style-type: none">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_010343.2 , NP_034473.2
RefSeq Size:	1629 bp
RefSeq ORF:	666 bp
Locus ID:	14780
UniProt ID:	P21765
Cytogenetics:	13 7.73 cM
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]