

Product datasheet for **MC200023**

Gpx7 (NM_024198) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gpx7 (NM_024198) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gpx7
Synonyms: 3110050F08Rik; AI327032; GPX6
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC003228 sequence for NM_024198
 CTTTGCCCTCGCCAAGTCGCCACCTCGGGAGTGAACCATGGTTGCAGCTGTGGCGACGGCGTGGCTGCTC
 CTGTGGCCGCGGCCTGCGCGCAATCCGAGCAGGACTTCTACGACTTCAAGGCGGTCAACATCCGGGGCA
 AGCTGGTGTGCTGGAGAAGTACCGTGGCTCGGTTTCCCTGGTGGTGAAGTAGCTAGCGAATGTGGCTT
 CACAGACCAGAATAACCGAGCCTTGCAGCAGCTGCAGCGGGACCTGGGCCCCATCATTTAATGTGCTT
 GCCTTCCCTTGAACCAAGTTTGGCCAACAGGAACAGACACCAACAGGGAGATTGAGAACTTTGCCCGCC
 GCACCTACAGTGTCTCTTTCCCATGTTTAGCAAGATCGCAGTCACTGGCACTGGTCCACCCTGCCTT
 CAAGTACCTAACCAGACTTCTGGGAAGGAGCCACCTGGAAGTCTGGAAGTACCTAGTGGACCCAGAC
 GGAAGGTGGTGGGAGCATGGGACCCACTGTGCCAGTGGCGGAGATCAAGCCCCGATTACAGAGCAGG
 TGATGAAACTCATCCTTCGAAACGAGAAGACTTGTGACCGGGTCCCTCTGGAATCCCATCCCTCCGCA
 AACTCAAGTGGTCTTACCGGCAGAGAGCTAAAGCTTCTTCCCTTCACTCCTCAGAGGACAAATCCT
 AAGACTTGGATGATTTGAATCCAAGAGCAACGGACAGCAACTGCTTGCTGGCCAGTGAAGATTCTTAACA
 GCACATACCAGCCAGCGGGCCTTAGCCAAAGGAAACATGGCAAGGCTATGAAGAAAACATGTAGATGG
 ATATGAGGCAATCCTCTACCTACCCATGCCAAGTCTTACCTCACAGGGAGGCTGTGAAGATTAGCATCTA
 ATACCCGTGAACACGCCTGGGGCAGTGCTAGTCGAAGGGGAAGCACTCCGCACGGTTTTCTGCGTGTAAA
 CAAGCATTATTTGTGATAATAAAACCTGAGTTTGACATAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_024198

Insert Size: 561 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).



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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:	<u>BC003228</u> , <u>AAH03228</u>
RefSeq Size:	1033 bp
RefSeq ORF:	561 bp
Locus ID:	67305
UniProt ID:	<u>Q99LJ6</u>
Cytogenetics:	4 C7
Gene Summary:	It protects esophageal epithelia from hydrogen peroxide-induced oxidative stress. It suppresses acidic bile acid-induced reactive oxygen species (ROS) and protects against oxidative DNA damage and double-strand breaks (By similarity).[UniProtKB/Swiss-Prot Function]