

Reactive human plasma glutathione peroxidase mutant with Diselenide Bond Succeeds in tetramer formation

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Table S1. Primer sequences used for cloning and mutation.

Primers	Sequence (5'–3')
TAG–F	CAACGTGGCCAGCTACTAGGGCCTGACGGGCCAGTAC
TAG–R	GTACTGGCCCGTCAGGCCCTAGTAGCTGGCCACGTTG
TCG–F	CAACGTGGCCAGCTACTCGGGCCTGACGGGCCAGTAC
TCG–R	GTACTGGCCCGTCAGGCCCGAGTAGCTGGCCACGTTG
C8S–F	GAAGTCGAAGATGGACTCGCATGGTGGCATAAGTGG
C8S–R	CCACTTATGCCACCATGCGAGTCCATCTTCGACTTC
C77S–F	CATTCTGGGCTTTCCCTCGAACCAATTTGGAAAACAGG
C77S–R	CCTGTTTTCCAAATTGGTTTCGAGGGAAAGCCCAGAATG
C132S–F	CTTTCCTAAAGAACTCCTCGCCTCCCACCTCGGAGCTCC
C132S–R	GGAGCTCCGAGGTGGGAGGCGAGGAGTTCTTTAGGAAAG
shGPx3–F	CGGGATCCGGGCACCATTTACGAG
hGPx3–R	CCCAAGCTTTTACTTCCTCTTGACC
C8U–F	GAAGTCGAAGATGGACTAGCATGGTGGCATAAGTGG
C8U–R	CCACTTATGCCACCATGCTAGTCCATCTTCGACTTC
C132U–F	CTTTCCTAAAGAACTCCTAGCCTCCCACCTCGGAGCTCC
C132U–R	GGAGCTCCGAGGTGGGAGGCTAGGAGTTCTTTAGGAAAG

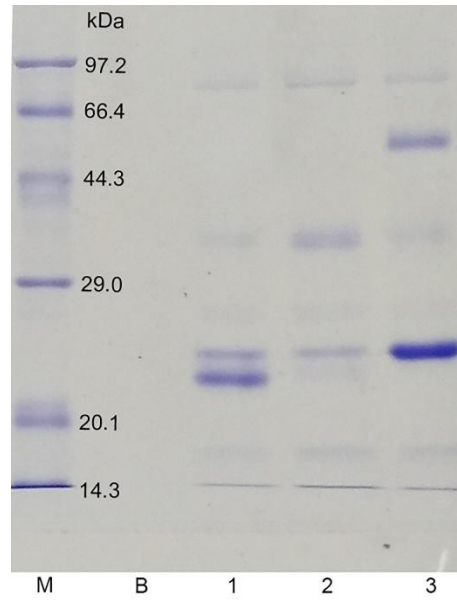


Figure S1: SDS-PAGE analysis of shGPx3 (U49S) and shGPx3 (U49S) mutants under non-reducing conditions without boiling treatment. Lanes are as follows: M, marker; B, blank; 1, non-reduced shGPx3 (U49S); 2, non-reduced shGPx3 (U49S)-C77S; 3, non-reduced shGPx3 (U49S)-C132S.