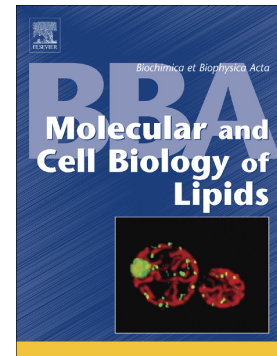


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**Crystal structure and functional characterization of selenocysteine-containing glutathione peroxidase 4 suggests an alternative mechanism of peroxide reduction**

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**Running head:** selenocysteine-containing glutathione peroxidase 4

**Key words:** selenocysteine, anti-oxidative defense, eicosanoids, radicals, crystal structure, reaction mechanism

**Data deposition:** The atomic coordinates and structure factors (PDB entry 6ELW) have been deposited in the Protein Data Bank (<http://wwpdb.org/>).

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