

### **iron-sulfur proteins**

Proteins in which non-haem iron is coordinated with cysteine sulfur and usually also with inorganic sulfur. Divided into three major categories: rubredoxins; “simple iron-sulfur proteins”, containing only *iron-sulfur clusters*; and “complex iron-sulfur proteins”, containing additional active redox centres such as *flavin*, molybdenum or *haem*. In most iron-sulfur proteins, the clusters function as electron-transfer groups, but in others they have other functions, such as catalysis of hydratase/dehydratase reactions, maintenance of protein structure, or regulation of activity

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