

mitochondria

Organelles appearing in all eukaryotic cells which produce ATP as useful energy for the cell by oxidative phosphorylation. The proteins for the adenosine 5'-triphosphate (ATP)-generating electron transport of the respiration chain are located in the inner mitochondrial membrane. Mitochondria contain many enzymes of the citric acid cycle and for fatty acid β -oxidation. Many of them are coded for by nuclear DNA.

Source:

PAC, 1992, 64, 143 (*Glossary for chemists of terms used in biotechnology (IUPAC Recommendations 1992)*) on page 160

PAC, 1993, 65, 2003 (*Glossary for chemists of terms used in toxicology (IUPAC Recommendations 1993)*) on page 2071