

# Native Rat Spleen Mitochondrial Protein

**Cat. No.** SMP-103R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Native Rat Spleen Mitochondrial Protein                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Spleen                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>     | Mitochondrial protein is ready to immediate use for studying mitochondrial proteins. It is ideal for many downstream applications such as Western blotting, protein assays, enzyme-activity assays, gel electrophoresis, protein-protein interaction analysis, and tissue specific expression identification.                                                             |
| <b>Notes</b>            | We provides high quality ready to use mitochondrial protein of wide variety of normal healthy rat tissues that might difficult to obtain because of size, anatomical complexity, or high protease activity. Tissues are freshly dissected and homogenized in modified protein lysis buffer supplemented with a cocktail of 7 protease inhibitors to minimize proteolysis. |
| <b>Storage</b>          | Protein is stable for one year if stored properly at -70 centigrade.                                                                                                                                                                                                                                                                                                      |
| <b>Concentration</b>    | 1 mg/mL                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Shipping</b>         | Dry ice                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Quality Control</b>  | The quality of mitochondrial protein as indicated by the absence of smear (no degradation) and sharpness and resolution of the protein bands are verified by                                                                                                                                                                                                              |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

denatured SDS-PAGE with Coomassie blue staining. Protein is also validated by Western Blot using specific mitochondrial protein biomarker, cytochrome C.

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