

**Certificate of Analysis**  
**Certificate of Analysis & Research Application**

Product **Human NADPH Reductase**  
Catalogue No PB RN 000005  
Lot Number

<b>Product Description</b>	Microsomes prepared from yeast ( <i>S. cerevisiae</i> ) containing human NADPH reductase expressed recombinantly with out any CYP
<b>Applications</b>	Control membranes in, in-vitro drug metabolism screening
<b>Product Data</b> Pack Size Protein Concentration Specific Activity	500 µL 20.7 mg.ml <sup>-1</sup> 3300 nmol Cytochrome c reduced .min <sup>-1</sup> . mg <sup>-1</sup> of protein
<b>Total Protein Content</b>	Total protein estimated by Bradford protein assay method with BSA Standard.
<b>Reductase Activity</b>	Reductase activity measured based on a colorimetric assay that measures the reduction of cytochrome c by NADPH-cytochrome c reductase in the presence of NADPH. The reduction of cytochrome c results in the formation of distinct bands in the absorption spectrum and the increase in absorbance at 550 nm is measured with time.
<b>Product Use and Stability</b>	Microsomes are supplied in phosphate buffer (pH 7.4) containing water, glycerol, sucrose, EDTA, and PMSF which are unlikely to interfere with most assays. For best results & stability parameters, please thaw the microsomes on ice and make appropriate aliquots as per requirement and store at -80°C. Microsomes are stable and active at -80°C for 12 months. Repeated freeze thaws lead to instability and decrease in activity.
<b>Safety</b>	Product is not suspected to contain any pathogenic and hazardous materials. Properties have not been investigated extensively.
<b>Ordering information</b>	Please contact the personnel.
<b>Contact and support</b>	To call, write, fax, or email us, visit the Premas Biotech home page, <a href="http://www.premasbiotech.com/contact-us.aspx">www.premasbiotech.com/contact-us.aspx</a> or fax: +91 – 124 -4365221 or call: +91 – 124 -4546600 or Email: <a href="mailto:tech_support@premasbiotech.com">tech_support@premasbiotech.com</a>