Plasma Membrane Protein Extraction Kit ab65400

Overview

Product name: Plasma Membrane Protein Extraction Kit
Assay time: 1h 00m

Product overview: Plasma Membrane Protein Extraction Kit ab65400 provides optimized buffers and reagents for effective extraction of plasma membrane proteins from mammalian tissues and cells.

Unlike other available methods that can only extract the total cellular membrane proteins (combinations of plasma and organelle membrane proteins), this kit was designed to not only extract the total cellular membrane proteins, but also to specifically purify the plasma membrane proteins.

The procedure offers consistent yield and high purity (over 90%). Membrane proteins prepared using the kit can be utilized in a variety of applications, such as Western blotting, 2-D gels, and enzyme analyses, etc. The entire procedure takes less than 1 hour.

Tested applications: Suitable for: Purification

Properties

Storage instructions: Store at -20°C. Please refer to protocols.

<table>
<thead>
<tr>
<th>Components</th>
<th>Identifier</th>
<th>50 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homogenize Buffer</td>
<td>NM</td>
<td>1 x 100ml</td>
</tr>
<tr>
<td>Lower Phase Solution</td>
<td>WM</td>
<td>1 x 20ml</td>
</tr>
<tr>
<td>Protease Inhibitor Cocktail (Lyophilised)</td>
<td>Red</td>
<td>1 vial</td>
</tr>
<tr>
<td>Upper Phase Solution</td>
<td>NM</td>
<td>1 x 20ml</td>
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Relevance: Membrane Protein Extraction is a method for extraction of membrane proteins from mammalian tissues and cells. Many procedures extract total cellular membrane proteins which is a combination of plasma and organelle membrane proteins.
Our **Abpromise guarantee** covers the use of ab65400 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purification</td>
<td>Use at an assay dependent concentration.</td>
<td></td>
</tr>
</tbody>
</table>

### Images

Cell membrane protein was collected using plasma membrane protein extraction kit (ab65400). The upper panels show the plasma membrane myc-tagged protein; the middle panels show the cytosolic myc-tagged proteins and the lower panels show the total myc-tagged protein from CHO (Chinese Hamster ovary) whole-cell lysates.

![Image from Choveau F.S et al., PLoS One 10(12), Fig 2C. Doi: 10.1371/journal.pone.0145367.](image)

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