

## Product Datasheet

### Normal Mouse Kidney Whole Cell Lysate (orb348717)

## Description

Normal Mouse Kidney Whole Cell

<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	SDS-PAGE, WB
<b>Preservatives</b>	Preservative: None. Stabilizer: 10% (v/v) Glycerol. 1X SDS-PAGE Sample Buffer (62.5 mM Tris HCl, 2% SDS, 10% Glycerol and 0.005% bromophenol blue, pH 6.8)
<b>Form/Appearance</b>	Liquid (sterile filtered)
<b>Concentration</b>	2.0 mg/ml
<b>Storage</b>	Store vial at -70° C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles.
<b>Note</b>	For research use only
<b>Application notes</b>	ready-to-use lysates are especially prepared as positive controls for separation by SDS-PAGE and subsequent western blot analysis. Lysates are prepared in denaturing buffer WITHOUT dissociating agents (i.e. no 2-mercaptoethanol or dithiothreitol has been added). Heat lysate to 95°C for 5 minutes and rapidly cool. If dissociating conditions are desired, add reducing agent prior to heating. The recommended loading volume per lane is 10-20 µl depending on the size format of your gel.
<b>Purity</b>	Tissues were washed exhaustively with PBS to remove blood and other debris. A lysate was prepared by homogenizing the tissue and washing the cells in cold PBS. Washed cells were incubated at 4° C in modified RIPA buffer containing 150 mM sodium chloride, 50 mM Tris Cl, pH 7.4, 1 mM EDTA, 1.0% NP-40, 0.5% sodium deoxycholic acid and 0.1% SDS to lyse the cells. Protein integrity is ensured using a cocktail of protease inhibitors with broad specificity for the inhibition of aspartic, cysteine, and serine proteases as well as aminopeptidases (0.1 mM AEBSF HCl, 0.08 mM Acetaminophen, 0.04 mM EDTA, 0.04 mM EGTA, 0.04 mM GTP, 0.04 mM HEPES, 0.04 mM NaF, 0.04 mM NaCl, 0.04 mM NaH <sub>2</sub> PO <sub>4</sub> , 0.04 mM NaHCO <sub>3</sub> , 0.04 mM NaOH, 0.04 mM Na <sub>2</sub> SO <sub>4</sub> , 0.04 mM Na <sub>2</sub> CO <sub>3</sub> , 0.04 mM Na <sub>2</sub> HPO <sub>4</sub> , 0.04 mM Na <sub>2</sub> HPO <sub>4</sub> ·7H <sub>2</sub> O, 0.04 mM Na <sub>2</sub> SO <sub>4</sub> ·10H <sub>2</sub> O, 0.04 mM Na <sub>2</sub> SO <sub>4</sub> ·12H <sub>2</sub> O, 0.04 mM Na <sub>2</sub> SO <sub>4</sub> ·14H <sub>2</sub> O, 0.04 mM Na <sub>2</sub> SO <sub>4</sub> ·16H <sub>2</sub> O, 0.04 mM Na <sub>2</sub> SO <sub>4</sub> ·18H <sub>2</sub> O, 0.04 mM Na <sub>2</sub> SO <sub>4</sub> ·20H <sub>2</sub> O, 0.04 mM Na <sub>2</sub> SO <sub>4</sub> ·22H 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