

Human MCF-7 Whole Cell Lysate

Catalog No.	PX321C	Quantity:	500 µg
Alternate Names:	MCF7		
Lysate Preparation:	MCF-7 cells were cultured in Dulbecco's medium with 10% fetal bovine serum. Cells were washed with PBS then lysed on ice in a modified RIPA buffer with protease and phosphatase inhibitors (0.1 mM AEBSF HCl, 0.08 µM Aprotinin, 5 µM Bestatin, 1.5 µM E-64, 2 µM Leupeptin Hemisulfate, 1 µM Pepstatin A. Phosphatase inhibitors 1 mM NaF and 1 mM Na ₃ VO ₄ .) Cell debris was removed by centrifugation. Protein concentration was determined with modified Lowry (BCA) assay. Protein concentration was adjusted to 2 mg/ml and then an equal volume of 2X SDS-PAGE sample buffer added. Does not contain dissociating agents and has not been heated.		
Cell Line:	MCF7 (Human Epithelial, mammary) not stimulated		
Concentration:	1 mg/ml		
Formulation:	Whole cell lysate is supplied in 1X SDS sample buffer (62.5 mM Tris HCl, 2% SDS, 10% Glycerol and 0.005% bromophenol blue, pH 6.8, 10% glycerol) without dissociating agents (2-mercaptoethanol or dithiothreitol)		
Applications:	For SDS-PAGE and Western blot use 10 to 20 µl per lane depending on gel format.		
Application Notes:	Heat lysate to 95°C for 5 minutes and cool rapidly. If dissociating conditions are desired, add reducing agent prior to heating.		
Storage & Stability:	Store at -80°C for up to 3 months. For continuous use, prepare working aliquots and store at -80°C. Avoid repeated freeze-thaw cycles.		

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