

Human PC-3 Cell Line Lysate

Catalog No.	PX724	Quantity:	100 µg
Description:	Cell lysate has not been subjected to heat denaturation or reducing conditions. This allows the cell lysate to be used in a variety of applications; to study protein-protein interaction, ligand binding, ELISA, immunoprecipitation, 1D and 2D gel electrophoresis, and western blotting for the detection of specific protein targets.		
Cell Line:	PC-3 (Human prostate adenocarcinoma)		
Concentration:	1.0 mg/ml, 100 µg/vial with a 10% overfill. The lysate solution may appear turbid at cold temperatures due to insolubility of buffer components. The solution should clear upon warming to room temperature. Maximum recovery may be obtained by brief centrifugation of the vial to collect any solution on the cap and tube sides.		
Lysate Preparation:	PC-3 cells are collected and flash frozen, prior to preparation of the lysate. The cells are homogenized in modified RIPA buffer to obtain the soluble proteins, and centrifuged to clarify.		
Modified RIPA Buffer:	PBS, pH 7.4, 0.1% SDS, 0.25% Na deoxycholate, 1 mM EDTA, 1 mM Na ₃ VO ₄ , 1 mM NaF, 1 µg/ml Aprotinin, 1 µg/ml Pepstatin-A, 1 µg/ml Leupeptin, 1 mM PMSF		
Application Notes:	For use in 1D and 2D gel electrophoresis, western blot, the addition of a denaturing gel loading buffer with reducing agents may be required. Buffer requirements for performing protein-protein interaction and ligand binding studies can vary significantly from RIPA buffer and may require modifications. In most cases, cell lysate in RIPA buffer can be used, directly in standard ELISA and immunoprecipitation assays.		
Storage & Stability:	This product is stable at -80°C for up to 1 year from date of receipt. Upon initial thawing of a vial, prepare working aliquots and store at -80°C. Avoid repeated freeze-thaw cycles.		
Certification:	Human tissues have tested negative for HbsAg, HIV 1/2, and HCV. Use UNIVERSAL PRECAUTIONS when handling. Human tissue derivatives must be treated as a potentially infectious agent and disposed of appropriately.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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