

Product datasheet

PC-12 nuclear extract lysate ab14884

Overview

Product name	PC-12 nuclear extract lysate
General notes	Extracts have been quality control tested by Western blot and the Electrophoretic Mobility Shift Assay (EMSA).

Properties

Mycoplasma free	Yes
Form	Liquid
Storage instructions	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.90 Constituents: 0.0002% Sodium molybdate, 0.216% Beta glycerophosphate, 0.018% Sodium orthovanadate, 0.042% Sodium fluoride, 0.015% DTT, 0.48% HEPES, 0.003% EDTA, 20% Glycerol, 2.34% Sodium chloride With Protease inhibitors

Background	Generated by Greene and Tischler (1976) from a transplantable rat adrenal pheochromocytoma line, PC12 cells respond reversibly to nerve growth factor (NGF) and therefore have a neuronal phenotype, making the line a useful model system for neuronal differentiation. They produce catecholamines (dopamine, norepinephrine), neurotransmitters, NPP and are therefore used in studies of differentiation, neurobiochemistry and neurobiology.
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