

SH-SY5Y Cell Nuclear Extract

Catalog Number: AG1015-200
Unit Size: 200ug

Description The cell line SH-SY5Y, which was originally established from a bone marrow biopsy, is a thrice-cloned neuroblastoma that is genetically female (has two X chromosomes, but no Y). This cell line is used in studies of apoptosis and neuroprotection as an in vitro model of human neuronal cells.

Source *Mammalian cell*

Protein Concentration ≥6mg/ml

Biological Activity The SH-SY5Y cell nuclear extract was prepared as described by Dignam et al (1) and Manley et al (2), and is ideal for in vitro transcription, splicing, protein-protein interactions and other related function assays.

Formulation 20mM Tris-Cl (pH7.9), 100mM KCl, 20% Glycerol, 1mM DTT and 0.5mM EDTA.

Storage and Handling The extract should be stored at -80°C and defrosted immediately before use. It can be stored at -80°C for up to 12 months without detectable loss of activity. Always avoid repeated freeze-thaw cycles.

References
1. Dignam, J.D., et al., (1983) Nucleic Acids Res. 11, 1475-1489
2. Manley, J.L., et al., (1980) Proc. Natl. Acad. Sci. USA 77, 5706-5710

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