MCF-7 Nuclear Extract (H_2O_2-treated)

CATALOG NO.: 1642-100 100 µg

SOURCE: MCF-7 cells

CONCENTRATION: 2.5 mg protein/ml

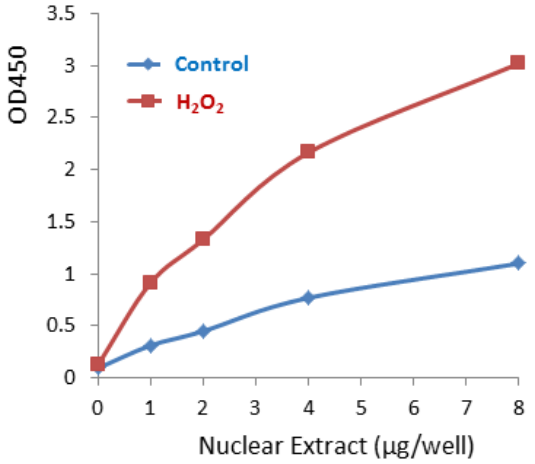
FORMULATION: Supplied in 20 mM Hepes (pH 8.0) with 0.42 M NaCl, 0.2 mM EDTA, 25% Glycerol, 1 mM DTT, protease and phosphatase inhibitors.

STORAGE CONDITIONS: Store at -80˚C

SHELF LIFE: Stable for 6 months under proper storage conditions

DESCRIPTION: MCF-7 cells, derived from metastatic breast cancer, are the most extensively used cell line for breast cancer research. This MCF 7 nuclear extract is prepared from MCF-7 cells treated with H_2O_2. The extract contains a variety of DNA-binding proteins, transcription factors, and other nuclear proteins.

RECOMMENDED USAGE: Western blot: 10-20 µg/lane
Transcription Factor Assay: 1-20 µg/assay
Electrophoretic mobility shift assay (EMSA)



MCF cells were treated with H_2O_2 (500 µM) for 3 hours. Nuclear extracts were prepared from both control cells and H_2O_2 treated cells. The nuclear extracts were tested for p53 transcription factor DNA binding activity (BioVision K923) for validation.

RELATED PRODUCTS:

- Jurkat Cell Extract (Induced) (**Cat. No. 1107**)
- Jurkat Cell Extract (Uninduced) (**Cat. No. 1106**)
- Mammalian Cell Extraction Kit (**Cat. No. K269**)
- Nuclear/Cytosol Fractionation Kit (**Cat No. K266**)

FOR RESEARCH USE ONLY! Not to be used in humans.