

## CHO-K1 Cell Nuclear Extract

<b>Catalog Number</b>	AG1013-200	AG1013-500
<b>Unit Size</b>	200ug/vial	500ug/vial

<b>Description</b>	<p>The Chinese hamster ovary (CHO) cells are a cell line derived from the ovary of the Chinese hamster. They are often used in biological and medical research and commercially in the production of therapeutic proteins. CHO cells have been a cell line of choice because of their rapid growth and high protein production, especially when long-term, stable gene expression and high yields of proteins are required. CHO cells are used in studies of genetics, toxicity screening, nutrition, and gene expression, particularly to express recombinant proteins. The cell line is most commonly used as a mammalian host for industrial production of recombinant protein therapeutics.</p>
<b>Source</b>	<i>CHO-K1 cell</i>
<b>Protein Concentration</b>	≥6mg/ml
<b>Biological Activity</b>	<p>The CHO-K1 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.</p>
<b>Formulation</b>	20mM Tris-Cl (pH7.9), 100mM KCl, 20% Glycerol, 1mM DTT and 0.5mM EDTA.
<b>Storage and Handling</b>	<p>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.</p>
<b>References</b>	<ol style="list-style-type: none"><li>1. Dignam, J.D., et al., (1983) Nucleic Acids Res. 11, 1475-1489</li><li>2. Manley, J.L., et al., (1980) Proc. Natl. Acad. Sci. USA 77, 5706-5710</li></ol>

**FOR RESEARCH USE ONLY!!!**