CDK3/CCNE1

Recombinant Human Cyclin-Dependent Kinase 3 (aa 1-305) /Cyclin E1 (aa 1-395) Complex GST-His-Tagged Active

Catalog No.	CRC031A	**Quantity:**	10 µg

Alternate Names: CCNE

Description: Coexpression of human CDK3, amino acids M_1-H_{305} (as in GenBank entry NM_001258)*, N-terminally fused to GST-HIS_6-Thrombin cleavage site and Human CCNE1, amino acids M_1 - A_{395} (as in GenBank entry M73812)*, N-terminally fused to GST-Thrombin cleavage site.
*Sequence may contain documented polymorphisms. Detailed sequence available upon request.

Concentration: 0.196 mg/ml

Gene ID: 1018 / 898

Source: Sf9 cells

Molecular Weight: GST-CDK3: 67.99 kDa
GST-CCNE1: 72.0 kDa

Formulation: Liquid in 50 mM Tris-HCl, pH 8.0 + 100 mM NaCl + 5 mM DTT + 15 mM reduced glutathione + 20% glycerol

Purification: Affinity purified using GSH-agarose

Specific Activity: 112 pmol/µg x min
Method for determination of K_m value & Specific activity:
Assay conditions:
60 mM HEPES-NaOH, pH 7.5
3 mM $MgCl_2$
3 mM $MnCl_2$
3 µM Na-orthovanadate
1.2 mM DTT
2.5 µg / 50 µl $PEG_{20.000}$
ATP (variable)
Substrate: Rb-CTF, 5 µg / 50 µl
Recombinant CDK3/CCNE1: 10 ng / 50 µl
Filter binding assay
MAFC membrane (Millipore)

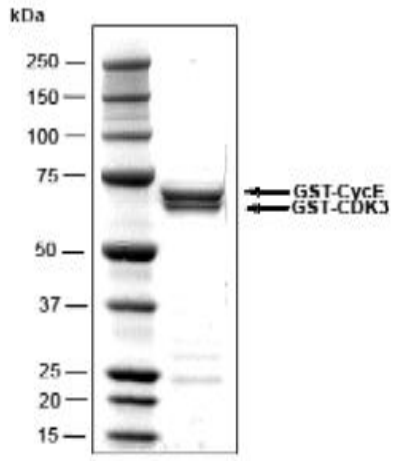
Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com

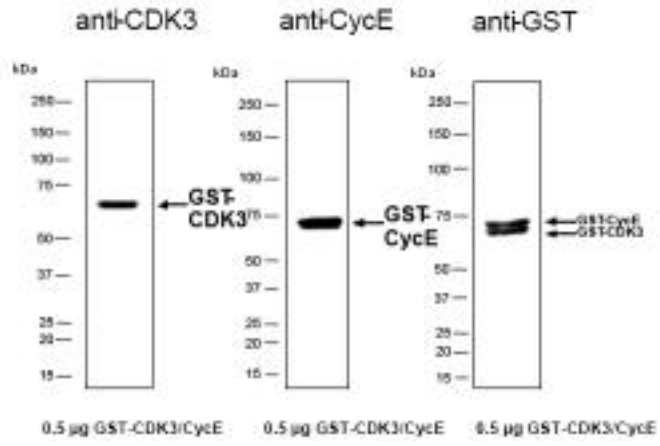
Storage & Stability: Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

Coomassie stain:



2.0 µg GST-CDK3/CycE

Western Blot analysis:



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

Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com