

# Recombinant Human Casein Kinase 2 Holoenzyme

**Cat. No.** CK2h-24H    **Lot. No.** (See product label)

## SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b>    | Recombinant Human casein kinase 2 holoenzyme containing alpha and beta subunits which were separately expressed in E. coli as non-fusion proteins and purified using several chromatographic steps. The holoenzyme has been reconstituted in the course of the purification and is highly active suitable for labelling CK2 substrates. CK2 holoenzyme is a non-glycosylated polypeptide having a molecular mass of 140 kDa. |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>              | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Unit Definition</b>     | No protease activity detectable, specific activity > 1.3U/mg (1U = 1μmol/min at 37 degree C) using the synthetic peptide RRRDDDSDDD                                                                                                                                                                                                                                                                                          |
| <b>Physical Appearance</b> | Sterile Filtered clear solution.                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>              | Greater than 95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Formulation</b>         | CK2 Holoenzyme is supplied 0.5mg/1ml in 25mM Tris-HCl, 500mM NaCl, 1mM DTT, 500 μM PMSF, 5% glycerol, pH 8.5.                                                                                                                                                                                                                                                                                                                |
| <b>Biological Activity</b> | Specific activity > 1U/mg.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>             | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.                                                                                                                                                                                                                                                                             |

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## GENE INFORMATION

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|-----------------|-----------------------------------|
| <b>Synonyms</b> | Casein Kinase 2 Holoenzyme, CK2h. |
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