Datasheet for ABIN1476618

# CHEK1 Protein (AA 1-496) (His tag)

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## Overview

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| Quantity: | 1 mg |
| Target: | CHEK1 |
| Protein Characteristics: | AA 1-496 |
| Origin: | Schizosaccharomyces pombe |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CHEK1 protein is labelled with His tag. |
| Application: | ELISA |

## Product Details

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| Sequence: | MAQKLDNFPY HIGREIGTGA FASVRLCYDD NAKIYAVKFV NKKHATSCMN AGVWARRMAS EIQLHKLCNG HKNIIHFYNT AENPQWRWVV LEFAQGGDLF DKIEPDVGID EDVAQFYFAQ LMEGISFMHS KGVAHRDLKP ENILLDYNGN LKISDFGFAS LFSYKGKSRL LNSPVGSPPY AAPEITQQYD GSKVDVWSCG IILFALLLGN TPWDEAISNT GDYLLYKKQC ERPSYHPWNL LSPGAYSIIT GMLRSDPFKR YSVKHVVQHP WLTSSTPFRT KNGNCADPVA LASRLMLKLR IDLDKPRLAS SRASQNDSGF SMTQPAFKKN DQKELDRVEV YGALSQPVQL NKNIDVTEIL EKDPSLSQFC ENEGFIKRLA KKAKNFYEIC PPERLTRFYS RASRETIIDH LYDSLRLLAI SVTMKYVRNQ TILYVNLHDK RKCLLQGVIE LTNLGHNLEL INFIKRNGDP LEWRKFFKNV VSSIGKPIVL TDVSQN |
| Specificity: | Schizosaccharomyces pombe (strain 972 / ATCC 24843) (Fission yeast) |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time. |

 

## Product Details

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| Purity: | > 90 % |

## Target Details

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| Target: | CHEK1 |
| Alternative Name: | Serine/threonine-protein kinase chk1 (chk1) (CHEK1 Products) |
| Background: | Recommended name: Serine/threonine-protein kinase chk1.<br>EC= 2.7.11.1.<br>Alternative name(s): Checkpoint kinase 1 |
| UniProt: | P34208 |
| Pathways: | p53 Signaling, Apoptosis, Cell Division Cycle, DNA Damage Repair |

## Application Details

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| Comment: | The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Concentration: | 0.2-2 mg/mL |
| Buffer: | Tris-based buffer, 50 % glycerol |
| Handling Advice: | Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week |
| Storage: | -20 °C |

## Handling

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| Storage Comment: | Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C. |

 