
Product Data Sheet

Product Name: CDK3 Human
 Cat. No.: GP22444
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Cyclin-dependent kinase 3; Cell division protein kinase 3; CDK3; CDKN3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMDMFQKV EKIGEGTYGV VYKAKNRETG QLVALKKIRL DLEMEGVPST AIREISLLKE LKHPNIVRLL DVVHNERKLY LVFEFLSQDL KKYMDSTPGS ELPLHLIKSY LFQLLQGVSF CHSHRVIHRD LKPQNLLINE LGAIKLADFG LARAFGVPLR TYTHEVVTW YRAPEILLGS KFYTTAVDIW SIGCIFAEMV TRKALFPGDS EIDQLFRIFR MLGTPSEDW PGVTQLPDYK GSPKWTRKG LEEIVPNLEP EGRDLLMQLL QYDPSQRITA KTALAHPYFS SPEPSAARQ YVLQRFH.		
Formulation	The CDK3 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1M Urea and 10% glycerol.		

Introduction

Cyclin-dependent kinase 3, also known as CDK3, is a part of the cyclin-dependent protein kinase family. CDK3 promotes entry into S phase, partially by activating members of the E2F family of transcription factors. CDK3 also associates with cyclin C and phosphorylates the retinoblastoma one protein to promote exit from G0.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CDK3 Human Recombinant produced in E. coli is a single polypeptide chain containing 328 amino acids (1-305) and having a molecular mass of 37.4kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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