9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CDC25A Human

Cell Division Cycle 25A Human Recombinant
RCP0358

Product Overview

Name	CDC25A Human
Description	
Cell Division Cycle 25A Human Recombinant	
Accession (Primary)	P30304
Synonyms	
M-phase inducer phosphatase 1, Dual specificity phosphatase Cdc25A, CDC25A, CDC25A2.	
Introduction	
M-phase inducer phosphatase 1 (CDC25A) belongs to the CDC25 family of phosphatases. CDC25A is essential for progression from G1 to the S phase of the cell cycle. CDC25A activates the cyclin-dependent kinase CDC2 by eliminating 2 phosphate groups. CDC25A is specifically degraded in reaction to DNA damage, which inhibits cells with chromosomal abnormalities from progressing in the course of cell division. CDC25A is an oncogene, though its exact function in oncogenesis has not been determined.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The CDC25A solution (0.25 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 5mM DTT, 20% glycerol, 0.2M NaCl and 1mM EDTA.	
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.	
Purity	
Greater than 80.0% as determined by SDS-PAGE.	
Amino acid sequence	
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS MELG PEPPHRRRLL FACSPPPASQ PVVKALFGAS AAGGLSPVTN LTVTMDQLQG LGSDYEQPLE VKNNSNLQRM GSSESTDSGF CLDSPGPLDS KENLENPMRR IHSLPQKLLG CSPALKRSHS DSLDHDIFQL IDPDENKENE AFEFKKPVRP VSRGCLHSHG LQEGKDLFTQ	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RQNSAPARML SSNERDSSEP GNFIPLFTPQ SPVTATLSDE DDGFVDLLDG ENLKNEEETP SCMASLWTAP LVMRTTNLDN RCKLFDSPSL CSSSTRSVLK RPERSQEESP PGSTKRRKSM SGASPKESTN PEKAHETLHQ SLSLASSPKG TIENILDNDP RDLIGDFSKG YLFHTVAGKH QDLKYISPEI MASVLNGKFA NLIKEFVIID CRYPYEYEGG HIKGAVNLHM EEEVEDFLLK KPIVPTDGKR VIVVFHCEFS SERGPRMCRY VRERDRLGNE YPKLHYPELY VLKGGYKEFF MKCQSYCEPP SYRPMHHEDF KEDLKKFRTK SRTWAGEKSK REMYSRLKKL.

Precautions

CDC25A Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P30304)