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32-2214: CDC25A Recombinant Protein

Alternative Name : M-phase inducer phosphatase 1,Dual specificity phosphatase Cdc25A,CDC25A,CDC25A2.

Description

Source : Escherichia Coli. CDC25A Human Recombinant fused with a 36 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 560 amino acids (1-524 a.a.) and having a molecular mass of 63.2kDa. The CDC25A is purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	5 µg
Purification :	Greater than 80.0% as determined by SDS-PAGE.
Content :	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.
Storage condition :	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.
Amino Acid :	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMELG PEPPHRRRLL FACSPPPASQ PVVKALFGAS AAGGLSPVTN LTVTMDQLQG LGSDYEQPLE VKNNSNLQRM GSSESTDSGF CLDSPGPLDS KENLENPMRR IHSLPQKLLG CSPALKRSHS DSLDHDIFQL IDPDENKENE AFEFKKPVRP VSRGCLHSHG LQEGKDLFTQ 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.