

Recombinant Human M-phase inducer phosphatase 3(CDC25C)

Catalog No: #AP70149

Package Size: #AP70149-1 20ug #AP70149-2 100ug #AP70149-3 1mg

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Description

Product Name	Recombinant Human M-phase inducer phosphatase 3(CDC25C)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-473aaSequence Info:Full Length
Other Names	Dual specificity phosphatase Cdc25C
Accession No.	P30307
Calculated MW	57.4 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MSTELFSSTREEGSSSGSPSFRSNQRKMLNLLERDTSFTVCPDVPRTVPVGKFLGDSANLSILSGGTPKRCLD LSNLSSGEITATQLTTSADLDETHLDSSGLQEVHLAGMNHQHLMKCSPAQLLCSTPNGLDRGHRKRDAMC SSSANKENDNGNLVDSEMKYLGSPITTVPKLDKNPNLGEDQAEIISDELMEFSLKDQEAQVSRSGLYRSPSM PENLNRPRKQVEKFDNTIPDKVKKKYFSGQGKLRKGLCLKKTVSLCDITITQMLEEDSNQGHGIGDFSKVCA LPTVSGKHQDLKYVNPETVAALLSGKFQGLIEKFYVIDCRYPYEYLGHHIQGALNLYSQEELFNFFLKKPIVPLD TQKRRIIVFHCFSSERGPRMCRCLREEDRSLNQYPALYPYELIYKGGYRDFPEYMELCPEQSYCPMHQD HKTELLRCRSQSKVQEGERQLREQIALLVKDMSP
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Functions as a dosage-dependent inducer in mitotic control. Tyrosine protein phosphatase required for progression of the cell cycle. When phosphorylated, highly effective in activating G2 cells into prophase. Directly dephosphorylates CDK1 and activates its kinase activity.

References

An additional transcript of the cdc25C gene from A431 cells encodes a functional protein.Bureik M., Rief N., Drescher R., Jungbluth A., Montenarh M., Wagner P.Int. J. Oncol. 17:1251-1258(2000)Research Topic:Cell Biology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.