

Recombinant Mouse E3 ubiquitin-protein ligase Mdm2(Mdm2)

Catalog No: #AP70538

Package Size: #AP70538-1 20ug #AP70538-2 100ug #AP70538-3 1mg

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Description

Product Name	Recombinant Mouse E3 ubiquitin-protein ligase Mdm2(Mdm2)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-489aaSequence Info:Full Length
Other Names	Double minute 2 proteinOncoprotein Mdm2p53-binding protein Mdm2
Accession No.	P23804
Calculated MW	58.6 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MCNTNMSVSTEGAASTSQIPASEQETLVRPKPLLLKLLKSVGAQNDDTYTMKEIIFYIGQYIMTKRLYDEKQQHIV YCSNDLLGDVFGVPSFSVKEHRKIYAMIYRNLVAVSQQDSGTSLSSESRRQPEGGSCLKDPLQAPPEEKPSSS DLISRLSTSSRRRSISETEENTDELPGERHRKRRRSLSFDPGLGLCELREMCSSGGSSSSSSSESTETPSHQ DLDDGVSEHSGDCLDQDSVSDQFSVEFEVESLDSSEYSLSDGHELSDEDEDEVYRVTVYQTGESDSDTSFEG DPEISLADYWKCTSCNEMNPPLPSHCKRCWTLRENWLPDDKGKDKVEISEKAKLENSAQAEGLDVPDGKKL TENDAKEPCAEEDESEEKAEQTPLSQESDDYSQPSTSSSIVYSSQESVKELKEETQDKDESVESSFSLSNAIEPC VICQGRPKNGCIVHGKTGHLMSCFTCAKKLKRKPCPVCRQPIQMIVLTYFN
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

E3 ubiquitin-protein ligase that mediates ubiquitination of p53,TP53, leading to its degradation by the proteasome. Inhibits p53,TP53- and p73,TP73-mediated cell cycle arrest and apoptosis by binding its transcriptional activation domain. Also acts as a ubiquitin ligase E3 toward itself and ARRB1. Permits the nuclear export of p53,TP53. Promotes proteasome-dependent ubiquitin-independent degradation of retinoblastoma RB1 protein. Inhibits DAXX-mediated apoptosis by inducing its ubiquitination and degradation. Component of the TRIM28,KAP1-MDM2-p53,TP53 complex involved in stabilizing p53,TP53. Also component of the TRIM28,KAP1-ERBB4-MDM2 complex which links growth factor and DNA damage response pathways. Mediates ubiquitination and subsequent proteasome degradation of DYRK2 in nucleus. Ubiquitinates IGF1R and SNAIL and promotes th to proteasomal degradation .

References

A novel nuclear interactor of ARF and MDM2 (NIAM) that maintains chromosomal stability.Tompkins V.S., Hagen J., Frazier A.A., Lushnikova T., Fitzgerald M.P., di Tommaso A.D., Ladeveze V., Domann F.E., Eischen C.M., Quelle D.E.J. Biol. Chem. 282:1322-1333(2007) Research Topic:Others

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