

Recombinant Human E3 ubiquitin-protein ligase MYLIP

Catalog No: #AP71485

Orders: order@signalwayantibody.com

Package Size: #AP71485-1 20ug #AP71485-2 100ug #AP71485-3 1mg

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Human E3 ubiquitin-protein ligase MYLIP
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-445aaSequence Info:Full Length
Other Names	Inducible degrader of the LDL-receptor ;IdolMyosin regulatory light chain interacting protein ;MIR
Accession No.	Q8WY64
Uniprot	Q8WY64
GeneID	29116;
Calculated MW	76.9 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MLCYVTRPDAVLMEVEVEAKANGEDCLNQCRRLLGII EVDYFGLQFTGSKGESLWLNLRNRISQQMDGLAPY RLKLRVKFFVEPHLILQEQRTRHIFFLHIKEALLAGHLLCSPEQAVELSALLAQTKFGDYNQNTAKYNYEELCAKE LSSATLNSIVAKHKELEGTSQASAEYQVLQIVSAMENYGIEWHSVRDSEGQKLLIGVGPEGISICKDDFSPINRI AYPVVQMATQSGKNVYLTVTKESGNSIVLLFKMISTRAASGLYRAITETHAFYRCDTVTSVMMQYSRDLKGH LASLFLNENINLGKKYVFDIKRTSKEVYDHARRALYNAGVVDLVSRRNQSPSHSPLKSSSESSMNCSSCEGLSC QQTRVLQEKLRLKKEAMLCMVCEEEINSTFCPCGHTVCCESCAAQLQSCPVCRSRVEHVQHVYLPHTHTSLL NLTVI
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 and subsequent proteasomal degradation of myosin regulatory light chain (MRLC), LDLR, VLDLR and LRP8. Activity depends on E2 enzymes of the UBE2D family. Proteasomal degradation of MRLC leads to inhibit neurite outgrowth in presence of NGF by counteracting the stabilization of MRLC by saposin-like protein (CNPY2,MSAP) and reducing CNPY2-stimulated neurite outgrowth. Acts as a sterol-dependent inhibitor of cellular cholesterol uptake by mediating ubiquitination and subsequent degradation of LDLR.

References

MIR is a novel ERM-like protein that interacts with myosin regulatory light chain and inhibits neurite outgrowth.Olsson P.-A., Korhonen L., Mercer E.A., Lindholm D.J. Biol. Chem. 274:36288-36292(1999)Research Topic:Epigenetics and Nuclear Signaling

Note: This product is for in vitro research use only