

Recombinant Human MYLIP Protein (1-445 aa), GST-tagged

Cat. No. MYLIP-1103H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYLIP Protein (1-445 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-445 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	76.9 kDa
AA Sequence	MLCYVTRPDAVLMEVEVEAKANGEDCLNQCRRRLGIIIEVDYFGLQFTGSKGESLWL NLRNRISQQMDGLAPYRLKLRVKFFVEPHLILQEQRHIFFLHIKEALLAGHLLCSPEQ AVELSALLAQTKFGDYNQNTAKYNYEELCAKELSSATLNSIVAKHKELEGTSQASAE

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YQVLQIVSAMENYGIEWHSVRDSEGQKLLIGVGPEGISICKDDFSPINRIAYPVVQMA
 TQSGKNVYLTVTKESGNSIVLLFKMISTRAASGLYRAITETHAFYRCDTVTSAVMMQY
 SRDLKGHLASLFLNENINLGKKYVFDIKRTSKEVYDHARRALYNAGVVDLVSRNNQS
 PSHSPLKSSSESSMNCSSCEGLSCQQTRVLQEKLRLKEAMLCMVCCEEEINSTFCP
 CGHTVCCESCAAQLQSCPVCRSRVEHVQHVVYLPHTHTSLLNLTVI

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [MYLIP myosin regulatory light chain interacting protein \[Homo sapiens \]](#)

Official Symbol [MYLIP](#)

Synonyms MYLIP; IDOL; MIR;

Gene ID [29116](#)

mRNA Refseq [NM_013262](#)

Protein Refseq [NP_037394](#)

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MIM	610082
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UniProt ID	Q8WY64
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