

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

Cat. No. MYLIP-1703H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYLIP Protein (1-445 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Full Length.
Species	Human
Source	Yeast
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	51.9 kDa
AA Sequence	MLCYVTRPDAVLMEVEVEAKANGEDCLNQVCRRLGIIEVDYFGLQFTGSKGESLWL NLRNRISQQMDGLAPYRLKLRVKFFVEPHLILQEQRHIFFLHIKEALLAGHLLCSPEQ AVELSALLAQTKFGDYNQNTAKYNYEELCAKELSSATLNSIVAKHKELEGTSQASAE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

YQVLQIVSAMENYGIEWHSVRDSEGQKLLIGVGPEGISICKDDFSPINRIAYPVVQMA
 TQSGKNVYLTVTKESGNSIVLLFKMISTRAASGLYRAITETHAFYRCDTVTSVAVMMQY
 SRDLKGHLASLFLNENINLGKKYVFDIKRTSKEVYDHARRALYNAGVVDLVSRNNQS
 PSHSPLKSSSESSMNCSSCEGLSCQQTRVLQEKLRLKEAMLCMVCCEEEINSTFCP
 CGHTVCCESCAAQLQSCPVCRSRVEHVQHVVYLPHTHTSLNLTVI

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 reconstitution 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; band 4.1 superfamily member BZF1;

Gene ID [29116](#)

mRNA Refseq [NM_013262](#)

Protein Refseq [NP_037394](#)

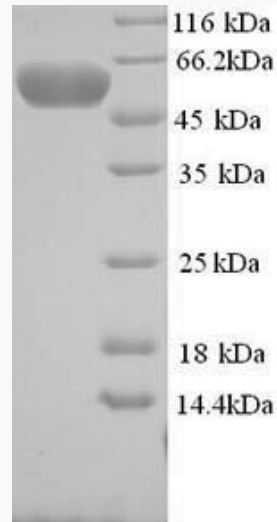
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 610082

UniProt ID Q8WY64



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA