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 NLRNRISQQMDGLAPYRLKLRVKFFVEPHLILQEQTRHIFFLHIKEALLAGHLLCSPEQ AVELSALLAQTKFGDYNQNTAKYNYEELCAKELSSATLNSIVAKHKELEGTSQASAE

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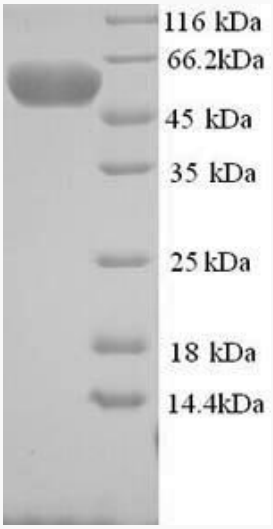
	YQVLQIVSAMENYGIEWHSVRDSEGQKLLIGVGPEGISICKDDFSPINRIAYPVVQMA TQSGKNVYLTVTKESGNSIVLLFKMISTRAASGLYRAITETHAFYRCDTVTSAVMMQY SRDLKGHLASLFLNENINLGKKYVFDIKRTSKEVYDHARRALYNAGVVDLVSRNNQS PSHSPLKSSESSMNCSSCEGLSCQQTRVLQEKLRKLKEAMLCMVCCEEEEINSTFCP CGHTVCCESCAAQLQSCPVCRSRVEHVQHVYLPTHTSLLNLTVI
Purity	> 90% as determined 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

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MIM	610082
UniProt ID	Q8WY64



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

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