Datasheet for ABIN7554655

MYLIP Protein (AA 1-445) (His tag)

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Overview

Quantity:	1 mg
Target:	MYLIP
Protein Characteristics:	AA 1-445
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MYLIP protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MYLIP Protein expressed in mammalian cells.
Sequence:	MLCYVTRPDA VLMEVEVEAK ANGEDCLNQV CRRLGIIEVD YFGLQFTGSK GESLWLNLRN RISQQMDGLA PYRLKLRVKF FVEPHLILQE QTRHIFFLHI KEALLAGHLL CSPEQAVELS ALLAQTKFGD YNQNTAKYNY EELCAKELSS ATLNSIVAKH KELEGTSQAS AEYQVLQIVS AMENYGIEWH SVRDSEGQKL LIGVGPEGIS ICKDDFSPIN RIAYPVVQMA TQSGKNVYLT VTKESGNSIV LLFKMISTRA ASGLYRAITE THAFYRCDTV TSAVMMQYSR DLKGHLASLF LNENINLGKK YVFDIKRTSK EVYDHARRAL YNAGVVDLVS RNNQSPSHSP LKSSESSMNC SSCEGLSCQQ TRVLQEKLRK LKEAMLCMVC CEEEINSTFC PCGHTVCCES CAAQLQSCPV CRSRVEHVQH VYLPTHTSLL NLTVI **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	MYLIP
Alternative Name:	MYLIP (MYLIP Products)
Background:	E3 ubiquitin-protein ligase MYLIP (EC 2.3.2.27) (Inducible degrader of the LDL-receptor) (Idol) (Myosin regulatory light chain interacting protein) (MIR) (RING-type E3 ubiquitin transferase MYLIP),FUNCTION: 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. {ECO:0000269|PubMed:10593918, ECO:0000269|PubMed:12826659, ECO:0000269|PubMed:14550572, ECO:0000269|PubMed:19520913, ECO:0000269|PubMed:20427281, ECO:0000269|PubMed:22109552}.
Molecular Weight:	49.9 kDa

Target Details

UniProt:	Q8WY64

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

