

Yorkie homolog (YAP1) Recombinant Protein | YAP1 recombinant protein

Recombinant Human Yorkie homolog (YAP1)

CATALOG # AAA15932	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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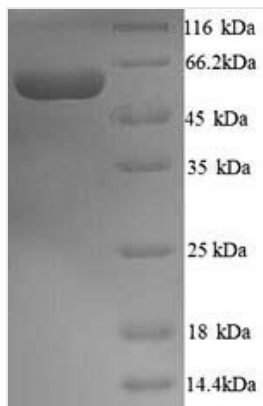
PRODUCT SYNONYMS

Yorkie homolog (YAP1); Recombinant Human Yorkie homolog (YAP1); YAP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-504. Full Length
Sequence	MDPGQQPPPQ PAPQGQGQPP SQPPQGQGPP SGPGQPAPAA TQAAPQAPPA GHQIVHVRGD SETDLEALFN AVMNPKTANV PQTVPMLRK LPDSFFKPPE PKSHSRQAST DAGTAGALTP QHVRAHSSPA SLQLGAVSPG TLTPTGVVSG PAATPTAQLH RQSSFEPDD VPLPAGWEMA KTSSGQRYFL NHIDQTTTWQ DPRKAMLSQM NVTAPTSPPV QQNMMNSASG PLPDGWEQAM TQDGEIYYIN HKNKTTSWLD PRLDPRFAMN QRISQSAPVK QPPPLAPQSP QGGVMGGSNS NQQQQMRLQQ LQMEKERLRL KQQELLRQAM RNINPSTANS PKCQELALRS QLPTLEQDGG TQNPVSSPGM SQELRTMTTN SSDPFLNSGT YHSRDESTDS GLSMSSYSVP RTPDDFLNSV DEMDTGDTIN QSTLPSQQNR FPDYLEAIPG TNVDLGTLEG DGMNIEGEEL MPSLQEALSS DILNDMESVL AATKLDKESF LTWL
Species	Homo sapiens (Human)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for YAP1 recombinant protein	Transcriptional regulator which can act both as a coactivator and a corepressor and is the critical downstream regulatory target in the Hippo signaling pathway that plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein STK3 MST2 and STK4 MST1, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1 2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1 TAZ. Plays a key role in tissue tension and 3D tissue shape by regulating cortical actomyosin network formation. Acts via ARHGAP18, a Rho GTPase activating protein that suppresses F-actin polymerization. Plays a key role to control cell proliferation in response to cell contact. Phosphorylation of YAP1 by LATS1 2 inhibits its translocation into the nucleus to regulate cellular genes important for cell proliferation, cell death, and cell migration. The presence of TEAD transcription factors are required for it to stimulate gene expression, cell growth, anchorage-independent growth, and epithelial mesenchymal transition (EMT) induction. Isoform 2: Isoform 2 and isoform 3 can activate the C-terminal fragment (CTF) of ERBB4 (isoform 3)
Product Categories/Family for YAP1 recombinant protein	Cancer
References	"WW domain-containing protein YAP associates with ErbB-4 and acts as a co-transcriptional activator for the carboxyl-terminal fragment of ErbB-4 that translocates to the nucleus." Komuro A., Nagai M., Navin N.E., Sudol M. J. Biol. Chem. 278:33334-33341(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	194306653
NCBI GeneID	10413
NCBI Accession #	NP_001123617.1
NCBI GenBank Nucleotide #	NM_001130145.2
UniProt Accession #	P46937; Q7Z574; B4DTY1; B7ZA01; E3WEB5; E3WEB6; E9PRV2; F5H202; K0KQ18; K0KYZ8; K0L195; K0L1G3
Molecular Weight	56.5 kDa
NCBI Official Full Name	transcriptional coactivator YAP1 isoform 1
NCBI Official Synonym Full Names	Yes associated protein 1
NCBI Official Symbol	YAP1
NCBI Official Synonym Symbols	YAP; YKI; COB1; YAP2; YAP65
NCBI Protein Information	transcriptional coactivator YAP1
UniProt Protein Name	Transcriptional coactivator YAP1
UniProt Gene Name	YAP1
UniProt Synonym Gene Names	YAP65; Yes-associated protein 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://www.aaabiotech.com/yap1-recombinant-protein-e-coli/15932>