

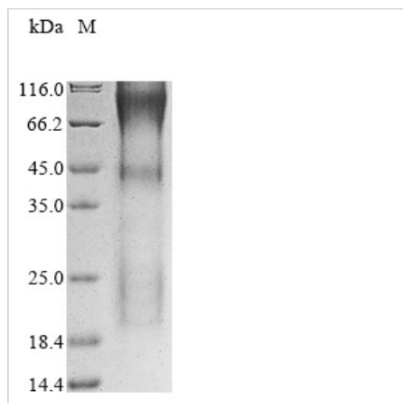


# Recombinant Human Transcriptional coactivator YAP1 (YAP1)

<b>Product Code</b>	CSB-YP026244HU
<b>Relevance</b>	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 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 (T) induction. Isoform 2 and isoform 3 can activate the C-terminal fragment (CTF) of ERBB4 (isoform 3).
<b>Storage</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P46937
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MDPGQQPPPQPAPQGGQPPSQPPQGGPPSGPGQPAPAATQAAPQAPP AGHQIVHVRGDSETDLEALFNAVMPKNTANVPQTVPMRLRKLPSFFKPPPEPK SHSRQASTDAGTAGALTPQHVRHSSPASLQLGAVSPGTLTPTGVVSGPAAT PTAQHLRQSSFEIPDDVPLPAGWEMAKTSSGQRYFLNHIDQTTTWQDPRKAM LSQMNVTAPTSPVQQNMMNSASGPLPDGWEQAMTQDGEIYYINHKNKTTS WLDPRLDPRFAMNQRISQSAPVKQPPPLAPQSPQGGVMGGNSNQQQMMR LQQQLQMEKERLRLKQQELLRQAMRNINPSTANSPKCQELALRSQLPTLEQDG GTQNPVSSPGMSQELRTMTTNSSDPFLNSGTYHSRDESTDSGLSMSSYSVP RTPDDFLNSVDEMDTGDITINQSTLPSQQNRFPDYLEAIPGTNVDLGTLEGDGM NIEGEELMPSLQEQALSSDILNDMESVLAATKLDKESFLTWL
<b>Research Area</b>	Cancer
<b>Source</b>	Yeast
<b>Target Names</b>	YAP1
<b>Protein Names</b>	Recommended name: Yorkie homolog Alternative name(s): 65 kDa Yes-associated protein Short name= YAP65



<b>Expression Region</b>	1-504aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	56.5kDa
<b>Protein Length</b>	Full Length

**Image**


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

**Shelf Life**

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