

## HUMAN YAP1 PROTEIN, HIS TAG

**Cat.#:** 11344

**Product Name:** Human YAP1 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** COBI;YAP;YAP2;YAP65;YKI

**Target:** YAP1

**UNIPROT ID:** P46937

**Description:** Recombinant human YAP1 protein with C-terminal 6xHis tag

**Background:** This gene encodes a downstream nuclear effector of the Hippo signaling pathway which is involved in development, growth, repair, and homeostasis. This gene is known to play a role in the development and progression of multiple cancers as a transcriptional regulator of this signaling pathway and may function as a potential target for cancer treatment. Alternative splicing results in multiple transcript variants encoding different isoforms.

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 55.3 kDa after removal of the signal peptide.

**Molecular Characterization:** YAP1(Met1-Leu504) 6×His tag

**Purity:** The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Human YAP1 Protein, His Tag on SDS-PAGE under reducing condition.