Recombinant YYAP1 protein (His tag)

Catalog Number	541276
Synonyms	Hepatocellular carcinoma susceptibility protein; Hepatocellular carcinoma-associated protein 2
Species	Human
Expression System	E. coli
Accession	Q9H869
Molecular Weight	Predictes a molecular mass of 39.07 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 39 kDa band.

Product Information

Sequence Region	115-440
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 115-440 aa (Q9H869) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant YY1-associated protein 1 (YY1AP1) fragment (amino acids 115-440), a highly stable and soluble protein unit ideal for structural studies, transcriptional regulation research, and chromatin remodeling investigations. This fragment retains key functional characteristics while offering enhanced experimental utility for biochemical and biophysical analyses. YY1-associated protein 1 (YY1AP1) is a multifunctional protein that associates with the INO80 chromatin remodeling complex, playing critical roles in transcriptional regulation, DNA repair, and replication processes. The protein enhances transcription activation by YY1 and contributes to cell cycle regulation, making it significant in cellular homeostasis and disease contexts. YY1AP1 exhibits dynamic subcellular localization, primarily found in the nucleus (nucleoplasm and nucleolus) and cytoplasm, reflecting its diverse functional interactions across cellular compartments. The full-length protein's involvement in chromatin organization and gene expression regulation underscores its importance in fundamental biological processes and potential relevance to hepatocellular carcinoma susceptibility.