Recombinant RPAP1 protein (His tag)

Catalog Number	545843
Species	Human
Expression System	E. coli
Accession	Q9BWH6
Molecular Weight	Predictes a molecular mass of 17.11 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	356-496
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 356-496 aa (Q9BWH6) 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 Human RNA Polymerase II-Associated Protein 1 (RPAP1) Fragment (aa 356-496) is a high-quality, soluble protein fragment designed for structural and biochemical studies. This 141-amino acid fragment, derived from the full-length RPAP1, offers a stable and functional unit ideal for investigating RNA polymerase II complex assembly and regulation. RNA Polymerase II-Associated Protein 1 (RPAP1) is a nuclear protein that serves as a critical interface between RNA polymerase II and chaperone/scaffolding proteins, facilitating the connection of the polymerase to regulators of protein complex formation. It is essential for the interaction of the RNA polymerase II complex with acetylated histone H3, playing a key role in transcriptional regulation. The provided fragment (aa 356-496) was selected computationally for its stability and solubility, making it a valuable tool for elucidating RPAP1's molecular mechanisms in gene expression.