Recombinant PHF20 protein (His tag)

Catalog Number	538849
Synonyms	Glioma-expressed antigen 2; Hepatocellular carcinoma-associated antigen 58; Novel zinc finger protein; Transcription factor TZP
Species	Human
Expression System	E. coli
Accession	Q9BVI0
Molecular Weight	Predictes a molecular mass of 18.11 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	1-138
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 1-138 aa (Q9BVI0) 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 PHF20 Fragment (1-138): A high-purity protein fragment encompassing the Tudor 1 domain, ideal for investigating methyllysine-binding functions and transcriptional regulation mechanisms in epigenetic research. PHF20 is a methyllysine-binding protein and a component of the MOF histone acetyltransferase complex, playing a critical role in transcriptional regulation of MOF target genes without affecting global H4K16ac levels. It contributes to methyllysine-dependent stabilization and up-regulation of p53/TP53 following DNA damage, highlighting its importance in cellular stress responses. As part of the NSL complex, PHF20 may also participate in nucleosomal histone H4 acetylation. The protein is localized to the nucleus, where it functions in epigenetic modulation and gene expression control, making it a key subject in cancer and developmental biology studies.