Recombinant MDEAS protein (His tag)

Catalog Number	549245
Synonyms	ELM2 and SANT domain-containing protein 1
Species	Human
Expression System	E. coli
Accession	Q6PJG2
Molecular Weight	Predictes a molecular mass of 21.20 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 21 kDa band.

Product Information

Sequence Region	720-889
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 720-889 aa (Q6PJG2) 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 MIDEAS (ELM2 and SANT domain-containing protein 1) Fragment (720-889) – A high-purity protein fragment encompassing the complete ELM2 (721-813) and SANT (828-879) domains. This product is an essential tool for investigating the structural and functional roles of these domains in chromatin remodeling, transcriptional regulation, and mitotic processes. The full-length Mitotic deacetylase-associated SANT domain protein (MIDEAS), encoded by the MIDEAS gene in Homo sapiens, is a nuclear protein, as indicated by its subcellular localization. While a detailed function summary is not provided, proteins containing ELM2 and SANT domains are typically involved in chromatin modification and gene expression regulation, often associating with histone deacetylase complexes. The nuclear localization supports its role in epigenetic mechanisms and cell cycle-related functions, making it significant for studies in transcriptional control and cellular division.