Recombinant MSD5 protein (His tag)

Catalog Number	552077
Synonyms	Myb/SANT DNA binding domain-containing protein 5
Species	Human
Expression System	E. coli
Accession	A0A3B3IT52
Molecular Weight	Predictes a molecular mass of 13.16 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	35-128
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 35-128 aa (A0A3B3IT52) 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	This product is a high-purity recombinant fragment (residues 35-128) of the human Uncharacterized protein MSANTD5 (Myb/SANT DNA binding domain-containing protein 5), encoded by the gene MSANTD5. The 94-amino acid fragment has been computationally selected for optimal stability and solubility, making it an ideal reagent for structural biology and initial biochemical characterization studies. The full-length protein, MSANTD5 (UniProt ID: A0A3B3IT52), is an uncharacterized protein from Homo sapiens. Based on its name, it contains a Myb/SANT DNA-binding domain, which is commonly involved in chromatin remodeling, transcriptional regulation, and DNA binding activities. The specific biological function, mechanism of action, and subcellular localization of MSANTD5 remain to be experimentally determined. This recombinant fragment provides a foundational tool for researchers aiming to elucidate the structure, function, and potential interactions of this novel protein.