Recombinant MSD4 protein (His tag)

Catalog Number	549842
Synonyms	Myb/SANT-like DNA-binding domain containing 4 with coiled-coils
Species	Human
Expression System	E. coli
Accession	Q8NCY6
Molecular Weight	Predictes a molecular mass of 12.08 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	1-87
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 1-87 aa (Q8NCY6) 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 MSANTD4 (Myb/SANT-like DNA-binding domain-containing protein 4) fragment (amino acids 1-87), encompassing the complete Myb-like DNA-binding domain. This high-purity protein is ideal for studying DNA-binding mechanisms, domain-specific functions, and molecular interactions in chromatin regulation and gene expression. The full-length MSANTD4 protein contains Myb/SANT-like DNA-binding domains and coiled-coil structural motifs, suggesting its involvement in DNA recognition and protein-protein interactions. Proteins containing Myb/SANT domains typically function in chromatin remodeling, transcriptional regulation, and DNA repair processes. The presence of coiled-coil domains indicates potential roles in multimerization and complex formation with other regulatory proteins.