Recombinant MSD7 protein (His tag)

Catalog Number	551899
Species	Human
Expression System	E. coli
Accession	A0A1W2PQ72
Molecular Weight	Predictes a molecular mass of 13.34 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	1-101
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 1-101 aa (A0A1W2PQ72) 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 recombinant protein product features a purified fragment (amino acids 1-101) of the human Myb/SANT-like DNA-binding domain-containing protein 7 (MSANTD7). The fragment is specifically designed to encompass the core Myb-like DNA-binding domain (residues 11-70), making it an ideal, high-purity reagent for in vitro studies of domain-specific DNA interactions, binding assays, and structural analyses. The full-length Myb/SANT-like DNA-binding domain-containing protein 7 (MSANTD7) is encoded by the MSANTD7 gene in Homo sapiens. Proteins containing Myb/SANT-like domains are typically involved in chromatin remodeling, transcriptional regulation, and DNA binding. While specific functional data and subcellular localization for MSANTD7 are not fully characterized in the provided information, the presence of the Myb-like domain strongly suggests a role in sequence-specific DNA recognition and gene expression control. This recombinant fragment provides a focused tool to investigate the fundamental biochemical properties of this conserved domain.