Recombinant MSD1 protein (His tag)

Catalog Number	551402
Species	Human
Expression System	E. coli
Accession	Q6ZTZ1
Molecular Weight	Predictes a molecular mass of 12.40 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	44-133
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 44-133 aa (Q6ZTZ1) 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 high-purity recombinant protein corresponds to amino acids 44-133 of human Myb/SANT-like DNA-binding domain-containing protein 1 (MSANTD1). The 90-amino acid fragment is specifically designed to encompass the complete Myb-like DNA-binding domain (residues 44-129), making it an ideal, focused tool for in vitro studies of domain-specific DNA interactions and functional characterization. Myb/SANT-like DNA-binding domain-containing protein 1 (MSANTD1) is encoded by the MSANTD1 gene in Homo sapiens (UniProt ID: Q6ZTZ1). While a detailed functional summary and subcellular localization for the full-length protein are not fully characterized in the provided data, proteins containing Myb/SANT-like domains are typically involved in DNA binding and transcriptional regulation. The production of this defined domain fragment allows researchers to isolate and study the core DNA-binding activity of MSANTD1, facilitating investigations into its molecular mechanisms and role in cellular processes.