Recombinant MSD3 protein (His tag)

Catalog Number	551245
Species	Human
Expression System	E. coli
Accession	Q96H12
Molecular Weight	Predictes a molecular mass of 12.89 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	1-94
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 1-94 aa (Q96H12) 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-quality recombinant protein corresponds to amino acids 1-94 of human Myb/SANT-like DNA-binding domain-containing protein 3 (MSANTD3), encompassing the complete Myb-like functional domain (residues 13-78). This purified fragment is an ideal tool for researchers investigating the specific DNA-binding functions and molecular interactions of this conserved domain in vitro. Myb/SANT-like DNA-binding domain-containing protein 3 (MSANTD3) is a human protein encoded by the gene MSANTD3 (UniProt ID: Q96H12). While a detailed functional summary and subcellular localization for the full-length protein are not fully characterized in the provided data, proteins containing Myb-like domains are typically involved in DNA binding and transcriptional regulation. The Myb domain is a conserved helix-turn-helix motif found in numerous transcription factors that control processes such as cell proliferation, differentiation, and apoptosis. Studying isolated functional domains, like the one contained in this fragment, is a fundamental strategy for elucidating the specific biochemical activities and protein-DNA interactions that underpin the biological role of the full-length MSANTD3 protein.