Recombinant MSD2 protein (His tag)

Catalog Number	551709
Species	Human
Expression System	E. coli
Accession	Q6P1R3
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	103-201
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 103-201 aa (Q6P1R3) 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 a functional fragment (residues 103-201) of the human Myb/SANT-like DNA-binding domain-containing protein 2 (MSANTD2). The fragment is specifically designed to encompass the Myb-like DNA-binding domain (residues 103-173), making it an ideal, focused tool for researchers studying the structure, interactions, and specific molecular functions of this critical domain in vitro. The full-length MSANTD2 protein, encoded by the gene MSANTD2 in Homo sapiens (UniProt ID: Q6P1R3), contains a Myb/SANT-like DNA-binding domain. Proteins containing Myb/SANT domains are typically involved in chromatin remodeling, transcriptional regulation, and DNA binding. While a detailed functional summary and subcellular location for the full-length MSANTD2 are not fully characterized in the provided data, the presence of this conserved domain strongly suggests a role in nucleic acid binding and gene expression regulation. This recombinant fragment allows for targeted investigation of these core domain-mediated activities.