Recombinant DMRTB protein (His tag)

Catalog Number	549613
Species	Human
Expression System	E. coli
Accession	Q96MA1
Molecular Weight	Predictes a molecular mass of 9.64 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	1-70
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 1-70 aa (Q96MA1) 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 product is a high-quality recombinant protein fragment of Doublesex- and mab-3-related transcription factor B1 (DMRTB1), spanning amino acids 1-70. It is derived from Homo sapiens and has been computationally optimized for stability and solubility, making it ideal for structural studies, biochemical assays, and functional investigations in life science research. Doublesex- and mab-3-related transcription factor B1 (DMRTB1) is a transcription factor encoded by the DMRTB1 gene in humans. It is localized to the nucleus, as indicated by its subcellular location, suggesting its involvement in regulating gene expression. Transcription factors like DMRTB1 play critical roles in developmental processes, cell differentiation, and tissue-specific functions, making this protein significant for studies in molecular biology, genetics, and disease mechanisms.