Recombinant PM2P3 protein (His tag)

Catalog Number	548679
Synonyms	PMS2-related protein 3; Postmeiotic segregation increased 2-like protein 9; Postmeiotic segregation increased protein 5; Putative postmeiotic segregation increased 2 pseudogene 3
Species	Human
Expression System	E. coli
Accession	Q13401
Molecular Weight	Predictes a molecular mass of 9.58 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	95-168
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 95-168 aa (Q13401) 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	Recombinant Putative Postmeiotic Segregation Increased 2-like Protein 3 (PMS2P3) Fragment (aa 95-168) – a stable and soluble protein fragment designed for structural and biochemical studies. This 74-amino acid fragment, derived from the human PMS2P3 gene, is ideal for investigating protein interactions and functional assays in life science research. The full-length Putative Postmeiotic Segregation Increased 2-like Protein 3 (PMS2P3) is a human protein encoded by the PMS2P3 gene. While specific functional and subcellular localization data are not provided, proteins in this family are generally associated with DNA mismatch repair processes, which are critical for maintaining genomic integrity and preventing mutations. This recombinant fragment (aa 95-168) was computationally selected to ensure stability and solubility, facilitating its use in experimental applications where the full protein may be challenging to express or purify.