

PMF1 Protein, Human

Cat. No.:	HY-P701854
Synonyms:	PMF1; Polyamine-modulated factor 1; PMF-1
Species:	Human
Source:	E. coli
Accession:	Q6P1K2 (M1-E205)
Gene ID:	100527963
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	PMF1 protein is an integral part of the MIS12 complex, crucial for maintaining normal chromosome alignment and segregation, as well as kinetochore formation during mitosis. Additionally, PMF1 may function as a cotranscription partner of NFE2L2, participating in the regulation of polyamine-induced transcription of SSAT. As a component of the MIS12 complex, PMF1 collaborates with MIS12, DSN1, and NSL1. It exhibits interaction with COPS7A and, notably, binds to the leucine-zipper domain of NFE2L2 via its coiled-coil domain. This interaction with NFE2L2 is essential for the transcriptional regulation of SSAT, emphasizing PMF1's role in coordinating cellular processes related to chromosome dynamics and transcriptional regulation.
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Caution: Product has not been fully validated for medical applications. For research use only.

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