

# Recombinant Human PMF1, His-tagged

**Cat. No.** PMF1-27991TH **Lot. No.** (See product label)

## SPECIFICATION

|                           |                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant fragment, corresponding to amino acids 26-205 of Human NNF1R with N terminal His tag; 180 amino acids, 29kDa.                                                                                                                                                                                                                                                    |
| <b>Species</b>            | Human                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>             | E.coli                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>      | 26-205 a.a.                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>        | NNF1R, also called PMF1, is part of the MIS12 complex, which may be fundamental for kinetochore formation and proper chromosome segregation during mitosis. It is required for chromosome congression and for correct operation of the spindle checkpoint. May act as a cotranscription partner of NFE2L2 involved in regulation of polyamine-induced transcription of SSAT. |
| <b>Conjugation</b>        | HIS                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Form</b>               | Lyophilised: Reconstitute with 52 µl aqua dest.                                                                                                                                                                                                                                                                                                                              |
| <b>Storage buffer</b>     | Preservative: None<br>Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5                                                                                                                                                                                                                                                            |
| <b>Storage</b>            | Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                                                                        |
| <b>Sequences of amino</b> | VPPGTTISRVKLLDTMVDLFLQKLVAAGSYQRFTDCYKCF YQLQPAMTQQIYDKFIA                                                                                                                                                                                                                                                                                                                   |

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**acids**

QLQTSIREEISDIKEEGNLEA VLNALDKIVEEGKVRKEPAWRPSGIPEKDLHSVMAPY  
F LQQRDTLRRHVQKQEAENQQLADAVLAGRRQVEELQLQ VQAQQQAWQALHRE  
QRELVAVLREPE

## GENE INFORMATION

**Gene Name** [PMF1 polyamine-modulated factor 1 \[ Homo sapiens \]](#)

**Official Symbol** [PMF1](#)

**Synonyms** PMF1; polyamine-modulated factor 1;

**Gene ID** [11243](#)

**mRNA Refseq** [NM\\_001199653](#)

**Protein Refseq** [NP\\_001186582](#)

**MIM** [609176](#)

**Uniprot ID** [Q6P1K2](#)

**Chromosome  
Location** 1q22

**Pathway** Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; M Phase, organism-specific biosystem; Mitotic M-M/G1 phases, organism-specific biosystem; Mitotic Prometaphase, organism-specific biosystem;

**Function** leucine zipper domain binding; protein binding; transcription coactivator activity;

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