

Recombinant Human PHTF1

Catalog No: #GP13180



Package Size: #GP13180-1 100ug

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Description

Product Name	Recombinant Human PHTF1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 438-637 amino acids of human PHTF1
Target Name	putative homeodomain transcription factor 1
Other Names	PHTF
Accession No.	Swissprot:Q9UMS5Gene Accession:BC002447
Uniprot	Q9UMS5
GeneID	10745;
Storage	-20~-80°C, pH 7.6 PBS

Background

PHTF1 (putative homeodomain transcription factor 1), also known as PHTF, is a potential transcription regulator. It is a ubiquitously expressed integral, multipass membrane protein with predominant expression in testis. PHTF1 is associated with the ER (endoplasmic reticulum) and contains one bHLH (basic helix-loop-helix) domain. It is present in the cell during meiosis and spermiogenesis but, by the end of spermiogenesis, is released from the mature cell within the residual bodies. This implies that PHTF1 may play a role in the spermatozoa maturation process. In addition, PHTF1 is believed to interact with FEM1B and may be responsible for recruiting FEM1B to the surface of the ER membrane. This suggests that PHTF1 acts as a sequestering or anchoring protein for FEM1B. Two PHTF1 isoforms exist due to alternate splicing events. Isoform 2 is the shorter form and lacks the amino acid residues 648 to 762.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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