

Recombinant Mouse Piwil4 Protein (Met1-Leu848), C-His tagged

Cat. No. Piwil4-6773M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Piwil4 (Met1-Leu848) fused with the C-His tag was expressed in Yeast.
Species	Mouse
Source	Yeast
ProteinLength	Met1-Leu848
Description	Enables piRNA binding activity. Involved in gamete generation; gene silencing by RNA; and piRNA metabolic process. Acts upstream of or within negative regulation of transposition. Located in nucleus and piP-body. Is expressed in embryo; germ cell of testis; testis; and trunk unsegmented mesenchyme. Orthologous to human PIWIL4 (piwi like RNA-mediated gene silencing 4).
Form	Lyophilized powder/frozen liquid
Molecular Mass	96.75 kDa
Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8

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centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.

Storage Buffer Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.

Reconstitution Reconstitute in sterile water for a stock solution.

Shipping They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name [Piwil4 piwi-like RNA-mediated gene silencing 4 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Piwil4](#)

Synonyms Piwil4; piwi-like RNA-mediated gene silencing 4; Miwi2; mAgo5; 9230101H05Rik; piwi-like protein 4; piwi-like 4; piwi-like homolog 4

Gene ID [330890](#)

mRNA Refseq [NM_001368831](#)

Protein Refseq [NP_001355760](#)

UniProt ID [Q8CGT6](#)

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