

Product datasheet

Recombinant Human PIMT protein (Tagged) ab239540

1 Image

Description

<b>Product name</b>	Recombinant Human PIMT protein (Tagged)	
<b>Purity</b>	> 90 % SDS-PAGE.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">Q96RS0</a>	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	MRVIAIDIDPVKIALARNNAEVYGIADKIEFICGDFLLLASFLK ADVVFL SPPWGGPDYATAETFDIRTMSPDGFEIFRLSKKITNNIVY FLPRNADID QVASLAGPGGQVEIEQNFLNNKLKTITAYFGDLIRRPASET	
<b>Predicted molecular weight</b>	32 kDa including tags	
<b>Amino acids</b>	713 to 853	
<b>Tags</b>	His tag N-Terminus	
<b>Additional sequence information</b>	N-terminal 6xHis-SUMO-tag.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab239540** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Liquid

Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)
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## General Info

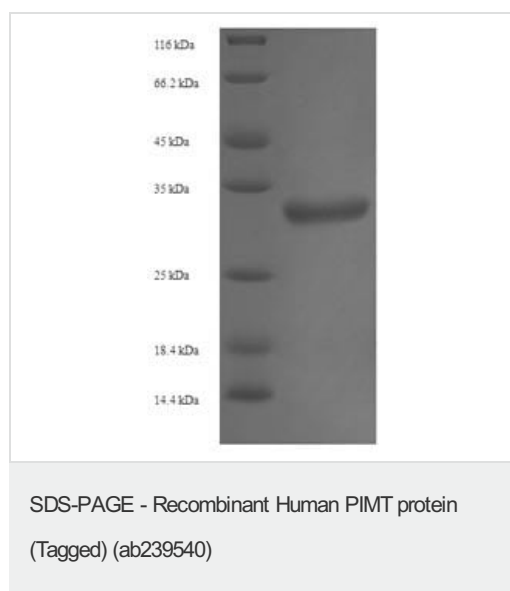
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<b>Function</b>	Catalyzes the 2 serial methylation steps for the conversion of the 7-monomethylguanosine (m(7)G) caps of snRNAs and snoRNAs to a 2,2,7-trimethylguanosine (m(2,2,7)G) cap structure. The enzyme is specific for guanine, and N7 methylation must precede N2 methylation. Hypermethylation of the m7G cap of U snRNAs leads to their concentration in nuclear foci, their colocalization with coilin and the formation of canonical Cajal bodies (CBs). Plays a role in transcriptional regulation.
<b>Tissue specificity</b>	Ubiquitously expressed. High expression in heart, skeletal muscle, kidney, liver and placenta.
<b>Sequence similarities</b>	Belongs to the methyltransferase superfamily. Trimethylguanosine synthase family.
<b>Cellular localization</b>	Cytoplasm. Nucleus > Cajal body. A 90 kDa isoform is found in the nucleus while a 55 kDa isoform is found in the cytoplasm and colocalizes with the tubulin network.

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## Images

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) analysis with 5% enrichment gel and 15% separation gel of ab239540.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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