

Datasheet for ABIN7547159  
**POLM Protein (AA 1-494) (His tag)**



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## Overview

Quantity:	1 mg
Target:	POLM
Protein Characteristics:	AA 1-494
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This POLM protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant POLM Protein expressed in mammalian cells.
Sequence:	<p>MLPKRRRARV GSPSGDAASS TPPSTRFPGV AIYLVEPRMG RSRRAFLTGL ARSKGFRVLD ACSSEATHVV MEETSAAEAV SWQERRMAAA PPGCTPPALL DISWLTESLG AGQPVPVECR HRLEVAGPRK GPLSPA WMPA YACQRPTPLT HHNTGLSEAL EILAEAAGFE GSEGRLLTFC RAASVLKALP SPVTTLSQLQ GLPHFGEHSS RVVQELLEHG VCEEVERVRR SERYQTMKLF TQIFGVGVKT ADRWYREGLR TLDDLREQPQ KLTQQQKAGL QHHQDLSTPV LRSDVDALQQ VVEEAVGQAL PGATVTLTGG FRRGKLQGHV VDFLITHPKE GQEAGLLPRV MCRLQDQGLI LYHQHQHSCC ESPTRLAQQS HMDAFERSFC IFRLPQPPGA AVGGSTRPCP SWKAVRVLDV VAPVSQFPFA LLGWTGSKLF QRELRRFSRK EKGLWLNSHG LFDPEQKTFE QAASEEDIFR HLGLELPPPE QRNA</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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isoform, please contact us regarding an individual offer.

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

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### Target:

POLM

### Alternative Name:

POLM ([POLM Products](#))

### Background:

DNA-directed DNA/RNA polymerase mu (Pol Mu) (EC 2.7.7.7) (Terminal transferase),FUNCTION: Gap-filling polymerase involved in repair of DNA double-strand breaks by non-homologous end joining (NHEJ). Participates in immunoglobulin (Ig) light chain gene rearrangement in V(D)J recombination. {ECO:0000269|PubMed:12640116, ECO:0000269|PubMed:12888504, ECO:0000269|PubMed:17483519, ECO:0000269|PubMed:17915942}.

### Molecular Weight:

54.8 kDa

### UniProt:

[Q9NP87](#)

### Pathways:

[DNA Damage Repair](#), [Production of Molecular Mediator of Immune Response](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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