

Recombinant Human POLM Protein (1-494 aa), His-tagged

Cat. No. POLM-2328H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLM Protein (1-494 aa) is produced by Yeast expression system. This protein is fused with a 10xHis tag at the N-terminal. Protein Description: Full Length.
Species	Human
Source	Yeast
ProteinLength	1-494 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	57.3 kDa
AA Sequence	MLPKRRRRARVGSPSGDAASSTPPSTRFPGVAIYLVEPRMGRSRRRAFLTGLARSKGF RVLDACSSEATHVVMEEETSAEEAVSWQERRMAAAPPGCTPPALLDISWLTESLGAG QPVPVECRHRLEVAGPRKGPLSPAWM PAYACQRPTPLTHHNTGLSEALEILAEAAAG FEGSEGRLLTFCRAASVLKALPSPVTTLSQLQGLPHFGEHSSRVVQELLEHGVCEEV ERVRRSERYQTMKLFTQIFGVGVKTADR WYREGLRTLDDLREQPQKLTQQQKAGL QHHQDLSTPVLRSVDALQQVVEEAVGQALPGATVTLTGGFRRGKLQGHVDVDFLIT HPKEGQEAGLLPRVMCRLQDQGLILYHQHQHSCCESPTRLAQQSHMDAFERSFCIF

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	RLPQPPGAAVGGSTRPCPSWKAVRVDLVVAPVSQFPFALLGWTGSKLFQRELRRF SRKEKGLWLNHGLFDPEQKTFFQAASEEDIFRHLGLEYPPEQRNA
Purity	> 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	POLM polymerase (DNA directed), mu [Homo sapiens]
Official Symbol	POLM
Synonyms	POLM; Pol iota; Tdt N; DNA polymerase mu; terminal transferase; Tdt-N; Pol Mu; FLJ35482;
Gene ID	27434
mRNA Refseq	NM_013284
Protein Refseq	NP_037416

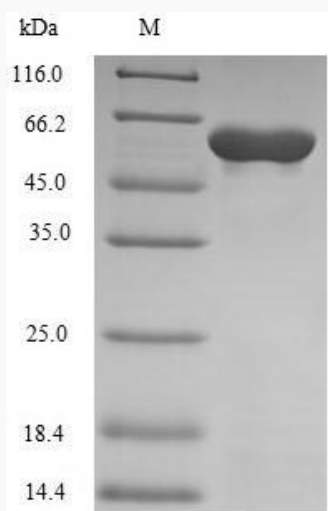
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MIM 606344

UniProt ID Q9NP87



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

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