

Datasheet for ABIN7547125
POLL Protein (AA 1-575) (His tag)



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Overview

Quantity:	1 mg
Target:	POLL
Protein Characteristics:	AA 1-575
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This POLL protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant POLL Protein expressed in mammalian cells.
Sequence:	<p>MDPRGILKAF PKRQKIHADA SSKVLAKIPR REEGEEAEW LSSLRAHVVR TGIGRARAEL FEKQIVQHGG QLCPAQGGPV THIVVDEGMD YERALRLLRL PQLPPGAQLV KSAWLSLCLQ ERRLVDVAGF SIFIPSTRYLD HPQPSKAEQD ASIPPGTHEA LLQTALSPPP PPTRPVSPQ KAKEAPNTQA QPISDDEASD GEETQVSAAD LEALISGHYP TSLEGDCEPS PAPAFLDKWV CAQPSSQKAT NHNLHITEKL EVLAKAYSVQ GDKWRALGYA KAINALKSFH KPVTSYQEAC SIPGIGKRMA EKIIIEISG HLRKLDHISE SVPVLELFSN IWGAGTKTAQ MWYQQGFRSL EDIRSQASLT TQQAIGLKHY SDFLERMPRE EATEIEQTVQ KAAQAFNSGL LCVACGSYRR GKATCGDQDV LITHPDGRSH RGIFSRLLDS LRQEGFLTDD LVSQEENGQQ QKYLGVCRPL GPGRRRHRLD IIVVPYSEFA CALLYFTGSA HFNRSMRALA KTKGMSLSEH ALSTAVVRNT HGCKVGPGRV LPTPTEKDVF RLLGLPYREP AERDW</p> <p>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</p>

contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different 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

Target: POLL

Alternative Name: POLL ([POLL Products](#))

Background: DNA polymerase lambda (Pol Lambda) (EC 2.7.7.7) (EC 4.2.99.-) (DNA polymerase beta-2) (Pol beta2) (DNA polymerase kappa),FUNCTION: DNA polymerase that functions in several pathways of DNA repair (PubMed:11457865, PubMed:19806195, PubMed:20693240, PubMed:30250067). Involved in base excision repair (BER) responsible for repair of lesions that give rise to abasic (AP) sites in DNA (PubMed:11457865, PubMed:19806195). Also contributes to DNA double-strand break repair by non-homologous end joining and homologous recombination (PubMed:19806195, PubMed:20693240, PubMed:30250067). Has both template-dependent and template-independent (terminal transferase) DNA polymerase activities (PubMed:10982892, PubMed:10887191, PubMed:12809503, PubMed:14627824, PubMed:15537631, PubMed:19806195). Has also a 5'-deoxyribose-5-phosphate lyase (dRP

Target Details

lyase) activity (PubMed:11457865, PubMed:19806195). {ECO:0000269|PubMed:10887191, ECO:0000269|PubMed:10982892, ECO:0000269|PubMed:11457865, ECO:0000269|PubMed:12809503, ECO:0000269|PubMed:14627824, ECO:0000269|PubMed:15537631, ECO:0000269|PubMed:19806195, ECO:0000269|PubMed:20693240, ECO:0000269|PubMed:30250067}.

Molecular Weight: 63.5 kDa

UniProt: [Q9UGP5](#)

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

Application Details

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.

Restrictions: For Research Use only

Handling

Format: Liquid

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

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months