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Datasheet for ABIN7547232
POLE2 Protein (AA 1-527) (His tag)

Overview

Quantity:	1 mg
Target:	POLE2
Protein Characteristics:	AA 1-527
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This POLE2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant POLE2 Protein expressed in mammalian cells.
Sequence:	<p>MAPERLRSRA LSAFKLRGLL LRGEAIKYLT EALQSISELE LEDKLEKIIN AVEKQPLSSN MIERSVVEAA VQECSSQSVDE TIEHVFNIIG AFDIPRFVYN SERKKFLPLL MTNHPAPNLF GTPRDKAEMF RERYTILHQR THRHELFTPP VIGSHPDESG SKFQLKTJET LLGSTTKIGD AIVLGMITQL KEGKFFLEDP TGTVQLDLSK AQFHSGLYTE ACFVLAEGWF EDQVFHVNAF GFPPTSPST TRAYYGNINF FGGPSNTSVK TSAKQKLEE ENKDAMFVFL SDVWLDQVEV LEKLRFMFAG YSPAPPTCFI LCGNFSSAPY GKNQVQALKD SLKTLADIIC EYPDIIHQSSR FVFPVGPEDP GFGSILPRPP LAESITNEFR QRVFVSFTT NPCRIQYCTQ EITVFREDLV NKMCRNCVRF PSSNLAIPNH FVKTILSQGH LTPLPLYVCP VYWAYDYALR VYPVPDLLVI ADKYDPFTTT NTECLCINPG SFPRSGFSFK VFYPSNKTVE DSKLQGF Sequence without tag.</p> <p>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.</p>

Product Details

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: POLE2

Alternative Name: POLE2 ([POLE2 Products](#))

Background: DNA polymerase epsilon subunit 2 (DNA polymerase II subunit 2) (DNA polymerase epsilon subunit B),FUNCTION: Accessory component of the DNA polymerase epsilon complex (PubMed:10801849). Participates in DNA repair and in chromosomal DNA replication (By similarity). {ECO:0000250|UniProtKB:P24482, ECO:0000269|PubMed:10801849}.

Molecular Weight: 59.5 kDa

UniProt: [P56282](#)

Pathways: [Telomere Maintenance](#), [DNA Damage Repair](#), [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Synthesis of DNA](#)

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
