

Datasheet for ABIN7550606

POLDIP2 Protein (AA 1-368) (His tag)



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Overview

Quantity:	1 mg
Target:	POLDIP2
Protein Characteristics:	AA 1-368
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This POLDIP2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant POLDIP2 Protein expressed in mammalian cells.
Sequence:	<p>MAACTARRAL AVGSRWWSRS LTGARWPRPL CAAAGAGAFS PASTTTTTRRH LSSNRNPEGK</p> <p>VLETGVVFEV PKQNGKYETG QLFLHSIFGY RGVVLFPWQA RLYDRDVASA APEKAENPAG</p> <p>HGSKEVKGKT HTYYQVLIDA RDCPHISQRS QTEAVTFLAN HDDSRALYAI PGLDYVSHED</p> <p>ILPYTSTDQV PIQHELPERF LLYDQTKAPP FVARETLRAW QEKNHPWLEL SDVHRETTEN</p> <p>IRVTVIPFYM GMREAQNSHV YWWRYCIRLE NLDSDVVQLR ERHWIRFSLG GTLETVRGRG</p> <p>VVGREPVLK EQPAFYSSH VSLQASSGHM WGTFRFERPD GSHFDVRIPP FSLESNKDEK</p> <p>TPPSGLHW 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.</p>
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:

Product Details

- 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:	POLDIP2
Alternative Name:	POLDIP2 (POLDIP2 Products)
Background:	Polymerase delta-interacting protein 2 (38 kDa DNA polymerase delta interaction protein) (p38),FUNCTION: Involved in DNA damage tolerance by regulating translesion synthesis (TLS) of templates carrying DNA damage lesions such as 8oxoG and abasic sites (PubMed:24191025). May act by stimulating activity of DNA polymerases involved in TLS, such as PRIMPOL and polymerase delta (POLD1) (PubMed:24191025, PubMed:26984527). {ECO:0000269 PubMed:24191025, ECO:0000269 PubMed:26984527}.
Molecular Weight:	42.0 kDa
UniProt:	Q9Y2S7

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