

Datasheet for ABIN7555055

POP1 Protein (AA 1-1024) (His tag)



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Overview

Quantity:	1 mg
Target:	POP1
Protein Characteristics:	AA 1-1024
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This POP1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat POP1 Protein expressed in mammalian cells.
Sequence:	<p>MSNAKERKHA KKMRNQPTNV TLSSGFVADR GVKHHSGGEK PFQAQKQEPH PGTSRQRQTR</p> <p>VNPHSLPDPE VNEQSSSKGM FRKKGGWKAG PEGTSQEIPK YITASTFAQA RAAEISAMLK</p> <p>AVTQKSSNSL VFQTLPRHMR RRAMSHNVKR LPRRLQEIAQ KEAEKAVHQK KEHSKNKCHK</p> <p>ARRCHMNRTL EFNRRQKKN I WLETHIWHAK RFHVMVKKWGY CLGERPTVKS HRACYRAMTN</p> <p>RCLLQDLSYY CCLELKGKEE EILKALSGMC NIDTGLTFAA VHCLSGKRQG SLVLYRVNKY</p> <p>PREMLGPVTF IWKSQRTPGD PSESRQLWIW LHPTLKQDIL EEIKAACQCV EPIKSAVCIA</p> <p>DPLPTPSQEK SQTELPDEKI GKRRKRKDDG ENAKPIKKII GDGTRDPCLP YSWISPTTGI</p> <p>IISDLTMMN RFRILIGPLSH SILTEAIKAA SVHTVGEDTE ETPHRWWIET CKKPDSVSLH</p> <p>CRQEAIFELL GGITSPAEIP AGTILGLTVG DPRINLPQKK SKALPNPEKC QDNEKVRQLL</p> <p>LEGVPVECTH SFIWNQDICK SVTENKISDQ DLNRMRSSELL VPGSQLILGP HESKIPILLI</p> <p>QQPGKVTGED RLGWGSWDV LLPKGWGMAF WIPFIYRGVR VGGLKESAVH SQYKRSPNVP</p>

GDFPDCPAGM LFAEEQAKNL LEKYKRRPPA KRPNYVKLGT LAPFCCPWEQ LTQDWESRVQ
AYEEPSVASS PNGKESDLRR SEVPCAPMPK KTHQPSDEVG TSIEHPREAE EVMDAGCQES
AGPERITDQE ASENHVAATG SHLCVLRSRK LLKQLSAWCG PSSEDSRGGR RAPGRGQQGL
TREACLSILG HFPRALVWVS LSLLSKGSPE PHTMICVPAK EDFLQLHEDW HYCGPQESKH
SDPFRSKILK QKEKKKKREKR QKPGRASSDG PAGEEPVAGQ EALTLGLWSG PLPRVTLHCS
RTLLGFVTQG DFSMAVGCGE ALGFVSLTGL LDMLSSQPAA QRGLVLLRPP ASLQYRFARI AIEV

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.

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, Western Blot

Grade:

custom-made

Target Details

Target:

POP1

Alternative Name:

POP1 ([POP1 Products](#))

Background:

Ribonucleases P/MRP protein subunit POP1 (hPOP1),FUNCTION: Component of ribonuclease P, a ribonucleoprotein complex that generates mature tRNA molecules by cleaving their 5'-ends (PubMed:8918471, PubMed:30454648). Also a component of the MRP ribonuclease complex, which cleaves pre-rRNA sequences (PubMed:28115465). {ECO:0000269|PubMed:28115465,

Target Details

	ECO:0000269 PubMed:30454648, ECO:0000269 PubMed:8918471}.
Molecular Weight:	114.7 kDa
UniProt:	Q99575

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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