

Datasheet for ABIN7554174
ING3 Protein (AA 1-418) (His tag)



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Overview

Quantity:	1 mg
Target:	ING3
Protein Characteristics:	AA 1-418
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ING3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ING3 Protein expressed in mammalian cells.
Sequence:	<p> MLYLEDYLEM IEQLPMDLRD RFTEMREMDL QVQNAMDQLE QRVSEFFMNA KKNKPEWREE QMASIKKDYY KALEDADEKV QLANQIYDLV DRHLRKLDQE LAKFKMELEA DNAGITEILE RRSLELDTPS QPVNNHHAHS HTPVEKRKYN PTSHHTTTDH IPEKKFKSEA LLSTLTSDAS KENTLGCRNN NSTASSNNAY NVNSSQPLGS YNIGSLSSGT GAGAITMAAA QAVQATAQMK EGRRTSSLKA SYEAFKNND FQLGKEFSMAR ETVGYSSSSA LMTTLTQNAS SSAADSRSGR KSKNNNKSSS QQSSSSSSSS SLSSCSSSST VVQEISQQT VVPESDSNSQ VDWTYDPNEP RYCICNQVSY GEMVGCDNQD CPIEFWHYGC VGLTEAPKGK WYCPQCTAAM KRRGSRHK </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.</p> <p>In case you have a special request, please contact us.</p>
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, Western Blot
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Grade:	custom-made
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Target Details

Target:	ING3
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Alternative Name:	ING3 (ING3 Products)
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Background:	<p>Inhibitor of growth protein 3 (p47ING3),FUNCTION: Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage. Component of a SWR1-like complex that specifically mediates the removal of histone H2A.Z/H2AZ1 from the nucleosome.</p> <p>{ECO:0000269 PubMed:12545155, ECO:0000269 PubMed:14966270, ECO:0000269 PubMed:24463511}.</p>
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Molecular Weight:	46.7 kDa
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UniProt:	Q9NXR8
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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