

Datasheet for ABIN7554168
ING4 Protein (AA 1-249) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ING4
Protein Characteristics:	AA 1-249
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ING4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ING4 Protein expressed in mammalian cells.
Sequence:	<p>MAAGMYLEHY LDSIENLPFE LQRNFQLMRD LDQRTEDLKA EIDKLATEYM SSARSLSSEE KLALLKQIQE AYGKCKEFGD DKVQLAMQTY EMVDKHIRRL DTDLARFEAD LKEKQIESSD YDSSSSKGKK KGRTQKEKKA ARARSKGKNS DEEAPKTAQK KLKLVRTSPE YGMPSVTFGS VHPSDVLDM PDPNEPTYCL CHQVSYGEMI GCDNPDCSIE WFHFACVGLT TKPRGKWFCP RCSQERKKK 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>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • 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

Product Details

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:	ING4
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Alternative Name:	ING4 (ING4 Products)
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Background:	Inhibitor of growth protein 4 (p29ING4),FUNCTION: Component of HBO1 complexes, which specifically mediate acetylation of histone H3 at 'Lys-14' (H3K14ac), and have reduced activity toward histone H4 (PubMed:16387653). Through chromatin acetylation it may function in DNA replication (PubMed:16387653). May inhibit tumor progression by modulating the transcriptional output of signaling pathways which regulate cell proliferation (PubMed:15251430, PubMed:15528276). Can suppress brain tumor angiogenesis through transcriptional repression of RELA/NFKB3 target genes when complexed with RELA (PubMed:15029197). May also specifically suppress loss of contact inhibition elicited by activated oncogenes such as MYC (PubMed:15029197). Represses hypoxia inducible factor's (HIF) activity by interacting with HIF prolyl hydroxylase 2 (EGLN1) (PubMed:15897452). Can enhance apoptosis induced by serum starvation in mammary epithelial cell line HC11 (By similarity). {ECO:0000250 UniProtKB:Q8C0D7, ECO:0000269 PubMed:15029197, ECO:0000269 PubMed:15251430, ECO:0000269 PubMed:15528276, ECO:0000269 PubMed:15897452, ECO:0000269 PubMed:16387653}.
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Molecular Weight:	28.5 kDa
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UniProt:	Q9UNL4
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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.
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Restrictions:	For Research Use only
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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