

Product datasheet

Recombinant Human ING2 protein (denatured)  
ab171499

1 Image

Description

<b>Product name</b>	Recombinant Human ING2 protein (denatured)
<b>Purity</b>	> 85 % SDS-PAGE. ab171499 is purified by using anion-exchange chromatography (DEAE sepharose resin) and gel-filtration chromatography.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<a href="#">Q9H160</a>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<p>MGSSHHHHHH SSGLVPRGSH MGSMLGQQQQ            QLYSSAALLT GERSRLLTCY VQDYLECVES            LPHDMQRNVS VLRELDNKYQ ETLKEIDDVY            EKYYKEDDLN QKKRLQQLLQ RALINSQELG DEKIQIVTQM            LELVENRARQ MELHSQCFQD PAESERASDK            AKMDSSQPER SSRRPRRQRT SESRDLCHMA            NGIEDCDDQP PKEKKSksak KKKRSKAKQE            REASPVEFAI DPNEPTYCLC NQVSYGEMIG            CDNEQCPIEW FHFSCVSLTY KPKGKWCYCPK            CRGDNEKTMD KSTKTKKDR RSR</p>
<b>Predicted molecular weight</b>	35 kDa including tags
<b>Amino acids</b>	1 to 280
<b>Tags</b>	His tag N-Terminus
<b>Description</b>	Recombinant Human ING2 protein

Specifications

Our [Abpromise guarantee](#) covers the use of **ab171499** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
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**Form** Liquid

## Preparation and Storage

**Stability and Storage** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00  
Constituents: 2.4% Urea, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine)

## General Info

**Function** Seems to be involved in p53/TP53 activation and p53/TP53-dependent apoptotic pathways, probably by enhancing acetylation of p53/TP53. Component of a mSin3A-like corepressor complex, which is probably involved in deacetylation of nucleosomal histones. ING2 activity seems to be modulated by binding to phosphoinositides (PtdInsPs).

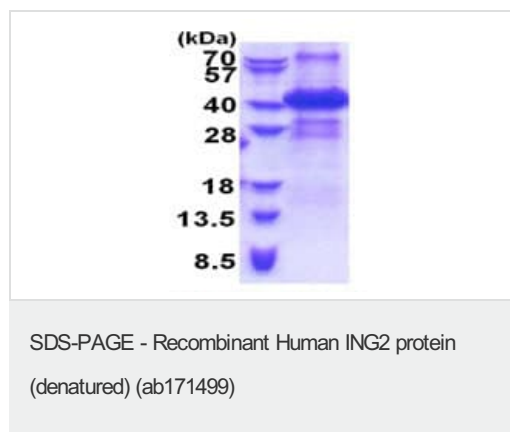
**Tissue specificity** Widely expressed. Higher expressed in colon-cancer tumor than in normal colon tissues.

**Sequence similarities** Belongs to the ING family.  
Contains 1 PHD-type zinc finger.

**Domain** The PHD-type zinc finger domain binds to phosphoinositides (PtdInsPs), including phosphatidylinositol 5-phosphate (PtdIns(5)P).

**Cellular localization** Nucleus. Predominantly nuclear. Localized to chromatin and nuclear matrix. Upon reduced PtdIns(5)P levels seems to be released from chromatin and, at least partially, translocated to the cytoplasm.

## Images



15% SDS-PAGE analysis of ab171499 (3µg).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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