

Product datasheet

Recombinant Human ING2 protein (denatured) ab171499

[1 Image](#)

Overview

Product name	Recombinant Human ING2 protein (denatured)
Protein length	Full length protein
Description	Recombinant Human ING2 protein

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Accession [Q9H160](#)

Species Human

Sequence

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MGSSHHHHHH SSGLVPRGSH MGSM LGQQQQ
QLYSSAALLT GERSRL LTCYVQDYLECVES
LPHDMQRNVS VLRELDNKYQ ETLKEIDVY
EKYKKEDDLN QKKRLQQLLQ RALINSQELG
DEKIQVTQM LELVENRARQ MELHSQCFQD
PAESERASDK AKMDSSQPER SSRPRRQRT
SESRDLCHMA NGIEDCDDQP PKEKKS KSAK
KKR SKAKQE REASPVEFAI DPNEPTYCLC
NQVSYGEMIG CDNEQCPIEW FHFSCVSLTY
KPKGKWCYCPK CRGDNEKTMD KSTKTKKDR RSR

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Molecular weight	35 kDa including tags
Amino acids	1 to 280
Tags	His tag N-Terminus

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.

Applications SDS-PAGE

Purity	> 85 % SDS-PAGE. ab171499 is purified by using anion-exchange chromatography (DEAE sepharose resin) and gel-filtration chromatography.
Form	Liquid

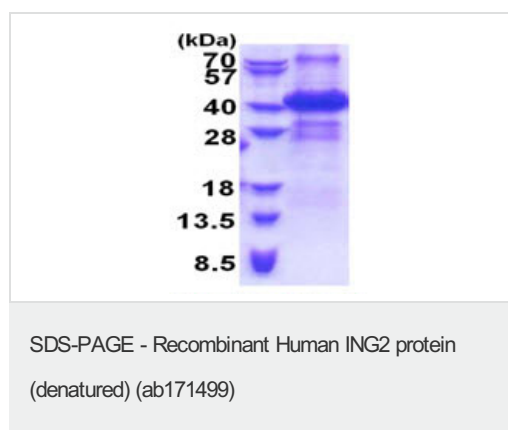
Preparation and Storage

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
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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).

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