



Recombinant Human Inhibitor of growth protein 3 (ING3)

Product Code	CSB-EP865171HU-B
Abbreviation	ING3
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9NXR8
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	<p> MLYLEDYLEM IEQLPMDLRD RFTEMREMDL QVQNAMDQLE QRVSEFFMNA KKNKPEWREE QMASIKKDYD KALEDADEKV QLANQIYDLV DRHLRKLDQE LAKFKMELEA DNAGITEILE RRSLELDTPS QPVNNHHAHS HTPVEKRKYD PSHHTTTDH IPEKKFKSEA LLSTLTSDAS KENTLGCRRN NSTASSNNAY NVNSSQPLGS YNIGSLSSGT GAGAITMAAA QAVQATAQMK EGRRTSSLKA SYEAFKNDF QLGKEFSMAR ETVGYSSSSA LMTTLTQNAS SSAADSRSGR KSKNNKSSS QSSSSSSSS SLSSCSSSST VVQEISQQT VVPESDSNSQ VDWTYDPNEP RYCICNQVSY GEMVGCDNQD CPIEWFHYGC VGLTEAPKGK WYCPQCTAAM KRRGSRHK </p>
Source	E.coli
Target Names	ING3
Protein Names	Recommended name: Inhibitor of growth protein 3 Alternative name(s): p47ING3
Expression Region	1-418
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This protein is similar to ING1, a tumor suppressor protein that can interact with TP53, inhibit cell growth, and induce apoptosis. This protein contains a PHD-finger, which is a common motif in proteins involved in chromatin remodeling. This gene can activate p53 trans-activated promoters, including promoters of p21/waf1 and bax. Overexpression of this gene has been shown to inhibit cell growth and induce apoptosis. Allelic loss and reduced expression of this gene were detected in head and neck cancers. Two alternatively spliced transcript variants encoding different isoforms have been observed.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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