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**Product Data Sheet**


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Product Name: ING1 Human  
 Cat. No.: GP23706  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Inhibitor Of Growth Family; Member 1; Growth Inhibitory Protein ING1; Tumor Suppressor ING1; Growth Inhibitor ING1; Inhibitor Of Growth Protein 1; Inhibitor Of Growth 1; P24ING1c;P33ING1b; P47ING1a; P33ING1; P33; P47; ING1 .		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMLSPANG EQLHLVNYVE DYLDIESLP FDLQRNVSLM REIDAKYQEI LKELDECYER FSRETDGAQK RRMLHCVQRA LIRSQELGDE KIQIVSQMVE LVENRTRQVD SHVELFEAQQ ELGDTAGNSG KAGADRPKGE AAAQADKPNS KRSRRQRNNE NRENASSNHD HDDGASGTPK EKKAKTSKKK KRSKAKAERE ASPADLPIDP NEPTYCLCNQ VSYGEMIGCD NDECPIEWFH FSCVGLNHKP KGKWYCPKCR GENEKTMDKA LEKSKKERAY NR.		
Formulation	ING1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.		

**Introduction**

Inhibitor of Growth Family Member 1, also known as ING1 is a tumorsuppressor protein which is able to induce cell growth arrest and apoptosis. ING1is a nuclear protein which physically act together with the tumor suppressorprotein TP53 and is a component of the p53 signaling pathway. In addition, Reducedexpression and rearrangement of ING1 have been identified in various cancers.Multiple alternatively spliced transcript variants encoding distinct isoformshave been described for ING1.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

**Caution: Product has not been fully validated for medical applications. For research use only.**

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HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

ING1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 302 amino acids (1-279 a.a) and having a molecular mass of 34.3kDa. ING1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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