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**Product Data Sheet**


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Product Name: ING2 Human  
 Cat. No.: GP23707  
 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 2; ING1L; Inhibitor Of Growth 1-Like Protein; P3ING2; ING1Lp; P32; Inhibitor Of Growth Family Member 1-Like; Inhibitor Of Growth Protein 2; ING2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMLGQQQQ QLYSSAALLT GERSRLLTCY VQDYLECVES LPHDMQRNVS VLRELDNKYQ ETLKEIDVY EKYKKEDDLN QKKRLQQLLQ RALINSQELG DEKIQIVTQM LELVENRARQ MELHSQCFQD PAESERASDK AKMDSSQPER SSRRPRRQRT SESRDLCHMA NGIEDCDDQP PKEKKSksak KKKRSKAKQE REASPVFAI DPNEPTYCLC NQVSYGEMIG CDNEQCPIEW FHFSCVSLTY KPKGKWYCPK CRGDNEKTMD KSTKTKKDR RSR.		
Formulation	ING2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.		

**Introduction**

Inhibitor of Growth Family, Member 2 (ING2) belongs to the inhibitor of growth (ING) family. ING family members associate with and modulate the activity of histone acetyltransferase (HAT) and histone deacetylase (HDAC) complexes and serve in DNA repair and apoptosis. ING2 appears to be involved in p53/TP53 activation and p53/TP53-dependent apoptotic pathways, most likely by enhancing acetylation of p53/TP53. ING2 is a component of an mSin3A-like corepressor complex, which is probably involved in deacetylation of nucleosomal histones. ING2 activity is modulated by binding to phosphoinositides (PtdInsPs).

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

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

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

ING2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 303 amino acids (1-280 a.a) and having a molecular mass of 35.2kDa. ING2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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