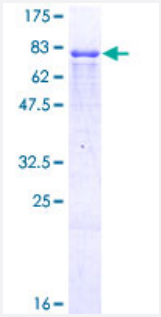
Full-Length

ING3 (Human) Recombinant Protein (P02)

Catalog # H00054556-P02 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ING3 full-length ORF (NP_061944.2, 1 a.a. - 418 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MLYLEDYLEMIEQLPMDLRDRFTEMREMDLQVQNAMDQLEQRVSEFFMNAKKNKPEWREEQM ASIKKDYYKALEDADEKVQLANQIYDLVDRHLRKLDQELAKFKMELEADNAGITEILERRSLELDTP SQPVNNHHAHSHTPVEKRKYNPTSHHTTTDHIPEKKFKSEALLSTLTSDASKENTLGCRNNNSTA SSNNAYNVNSSQPLGSYNIGSLSSGTGAGAITMAAAQAVQATAQMKEGRRTSSLKASYEAFKNN DFQLGKEFSMARETVGYSSSSALMTTLTQNASSSAADSRSGRKSKNNNKSSSQQSSSSSSSSS LSSCSSSSTVVQEISQQTTVVPESDSNSQVDWTYDPNEPRYCICNQVSYGEMVGCDNQDCPIEW FHYGCVGLTEAPKGKWYCPQCTAAMKRRGSRHK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	73.1
Interspecies Antigen Sequence	Mouse (95); Rat (96)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ING3

Entrez GeneID	54556
GeneBank Accession#	NM_019071.2
Protein Accession#	NP_061944.2
Gene Name	ING3
Gene Alias	Eaf4, FLJ20089, ING2, p47ING3
Gene Description	inhibitor of growth family, member 3
Omim ID	607493
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene 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-a ctivated promoters, including promoters of p21/waf1 and bax. Overexpression of this gene has be en shown to inhibit cell growth and induce apoptosis. Allelic loss and reduced expression of this g ene were detected in head and neck cancers. Two alternatively spliced transcript variants encodi ng different isoforms have been observed. [provided by RefSeq
Other Designations	-

Disease

- Autistic Disorder
- Genetic Predisposition to Disease