Full-Length
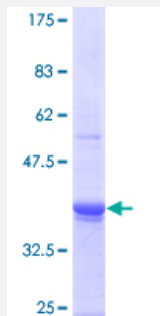
ING3 (Human) Recombinant Protein (P01)

Catalog #   H00054556-P01   Size   25 ug, 10 ug

Applications

Specification

Product Description	Human ING3 full-length ORF (AAH09776, 1 a.a. - 92 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MLYLEDYLEMIEQLPMDLRDRFTEMREMDLQVQNAMDQLEQRVSEFFMNAKKNKPEWREEQM ASIKKDYYKALEDADEKVQLANQIYDLQHF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.86
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#	BC009776
Protein Accession#	AAH09776
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-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. [provided by RefSeq
Other Designations	-

Disease

- Autistic Disorder

- Genetic Predisposition to Disease