

# Recombinant Full Length Human ING4 Protein, GST-tagged

**Cat. No.** ING4-5878HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human ING4 full-length ORF ( AAH07781.1, 1 a.a. - 249 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 249 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | This gene encodes a tumor suppressor protein that contains a PHD-finger, which is a common motif in proteins involved in chromatin remodeling. This protein can bind TP53 and EP300/p300, a component of the histone acetyl transferase complex, suggesting its involvement in the TP53-dependent regulatory pathway. Multiple alternatively spliced transcript variants have been observed that encode distinct proteins. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 54.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MAAGMYLEHYLDSIENLPFELQRNFQLMRDLQRTEDLKAEIDKLATEYMSSARSLS<br>SEEKLALLKQIQEAYGKCKEFGDDKVQLAMQTYEMVDKHIRRLDLDLARFEADLKEK<br>QIESSDYDSSSSKGKKKGRTQKEKKAARARSKGKNSDEEAPKTAQKKLKLVRTSPE<br>YGMPSVTFGSVHPSDVLDPVDPNEPTYCLCHQVSYGEMIGCDNPDCSIEWFHFA<br>CVGLTTKPRGKWFCPRCSQERKKK                                                                                                                                                                         |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay                                                                                                                                                                                                                                                                                                                                                                                                             |

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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                             |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                 |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                               |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                        |
| <b>Gene Name</b>        | ING4 inhibitor of growth family, member 4 [ Homo sapiens ]                                                                                                             |
| <b>Official Symbol</b>  | ING4                                                                                                                                                                   |
| <b>Synonyms</b>         | ING4; inhibitor of growth family, member 4; inhibitor of growth protein 4; my036; p29ING4; brain my036 protein; candidate tumor suppressor p33 ING1 homolog; MGC12557; |
| <b>Gene ID</b>          | 51147                                                                                                                                                                  |
| <b>mRNA Refseq</b>      | NM_001127582                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_001121054                                                                                                                                                           |
| <b>MIM</b>              | 608524                                                                                                                                                                 |
| <b>UniProt ID</b>       | Q9UNL4                                                                                                                                                                 |

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