

## Recombinant Human ID1, GST-tagged

Cat. No. ID1-14041H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ID1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-155a.a.
<b>Description</b>	The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. The encoded protein has no DNA binding activity and therefore can inhibit the DNA binding and transcriptional activation ability of basic HLH proteins with which it interacts. This protein may play a role in cell growth, senescence, and differentiation. Two transcript variants encoding different isoforms have been found for this gene.
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

<b>Gene Name</b>	ID1 inhibitor of DNA binding 1, dominant negative helix-loop-helix protein [ Homo
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	<a href="#">sapiens ]</a>
<b>Official Symbol</b>	ID1
<b>Synonyms</b>	ID1; inhibitor of DNA binding 1, dominant negative helix-loop-helix protein; DNA-binding protein inhibitor ID-1; bHLHb24; dJ857M17.1.2; DNA binding protein inhibitor ID 1; inhibitor of differentiation 1; class B basic helix-loop-helix protein 24; dJ857M17.1.2 (inhibitor of DNA binding 1, dominant negative helix-loop-helix protein); ID;
<b>Gene ID</b>	<a href="#">3397</a>
<b>mRNA Refseq</b>	<a href="#">NM_002165</a>
<b>Protein Refseq</b>	<a href="#">NP_002156</a>
<b>MIM</b>	<a href="#">600349</a>
<b>UniProt ID</b>	<a href="#">P41134</a>
<b>Chromosome Location</b>	20q11
<b>Pathway</b>	ALK1 signaling events, organism-specific biosystem; IL-3 Signaling Pathway, organism-specific biosystem; Id Signaling Pathway, organism-specific biosystem; Notch-mediated HES/HEY network, organism-specific biosystem; TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem;
<b>Function</b>	protein binding;

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