

Recombinant Human ID1, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human ID1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-155a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	ID1 inhibitor of DNA binding 1, dominant negative helix-loop-helix protein [Homo
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	sapiens]
Official Symbol	ID1
Synonyms	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;
Gene ID	3397
mRNA Refseq	NM_002165
Protein Refseq	NP_002156
MIM	600349
UniProt ID	P41134
Chromosome Location	20q11
Pathway	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;
Function	protein binding;