

## Active Recombinant Full Length Human ID2 Protein

Cat. No. ID2-245HF Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human ID2 protein with a proprietary tag; predicted molecular weight 40.48 kDa, inclusive of tag. AAH30639
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	135 amino acids
<b>Description</b>	<p>The protein encoded by this gene belongs to the inhibitor of DNA binding family, members of which are transcriptional regulators that contain a helix-loop-helix (HLH) domain but not a basic domain. Members of the inhibitor of DNA binding family inhibit the functions of basic helix-loop-helix transcription factors in a dominant-negative manner by suppressing their heterodimerization partners through the HLH domains. This protein may play a role in negatively regulating cell differentiation. A pseudogene of this gene is located on chromosome 3.</p>
<b>Form</b>	Liquid
<b>Bio-activity</b>	Useful for Antibody Production and Protein Array
<b>Molecular Mass</b>	40.480kDa inclusive of tags
<b>Purity</b>	Proprietary Purification

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**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

## GENE INFORMATION

**Gene Name** ID2 inhibitor of DNA binding 2, dominant negative helix-loop-helix protein [ Homo sapiens ]

**Official Symbol** ID2

**Synonyms** ID2; inhibitor of DNA binding 2, dominant negative helix-loop-helix protein; DNA-binding protein inhibitor ID-2; bHLHb26; cell growth inhibiting gene 8; GIG8

**Gene ID** 3398

**mRNA Refseq** NM\_002166

**Protein Refseq** NP\_002157

**MIM** 600386

**UniProt ID** Q02363

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