

## Recombinant Human IDH1(G97D) Protein, His-tagged

Cat. No. IDH1-108H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IDH1(G97D) protein, fused with C-terminal His tag, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-414
<b>Form</b>	50 mM Tris HCl, pH 7.5, 500 mM NaCl, 1 mM TCEP, 10% glycerol
<b>Molecular Mass</b>	47.8 kDa
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage</b>	Store at -80°C. Thaw quickly and store on ice before use. Avoid repeated freezing and thawing cycles.

### GENE INFORMATION

<b>Gene Name</b>	IDH1 isocitrate dehydrogenase 1 (NADP+), soluble [ Homo sapiens ]
<b>Official Symbol</b>	IDH1
<b>Synonyms</b>	IDH1; isocitrate dehydrogenase 1 (NADP+), soluble; isocitrate dehydrogenase

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[NADP] cytoplasmic; NADP(+)-specific ICDH; oxalosuccinate decarboxylase; NADP-dependent isocitrate dehydrogenase, cytosolic; NADP-dependent isocitrate dehydrogenase, peroxisomal; IDH; IDP; IDCD; IDPC; PICD;

**Gene ID** [3417](#)

**mRNA Refseq** [NM\\_005896](#)

**Protein Refseq** [NP\\_005887](#)

**MIM** [147700](#)

**UniProt ID** [O75874](#)

**Chromosome Location** 2q32-qter

**Pathway** Citrate cycle (TCA cycle), organism-specific biosystem; Citrate cycle (TCA cycle), conserved biosystem; Citrate cycle, first carbon oxidation, oxaloacetate =>2-oxoglutarate, organism-specific biosystem; Citrate cycle, first carbon oxidation, oxaloacetate => 2-oxoglutarate, conserved biosystem; Glutathione metabolism, organism-specific biosystem;

**Function** NAD binding; isocitrate dehydrogenase (NADP+) activity; isocitrate dehydrogenase (NADP+) activity; magnesium ion binding; oxidoreductase activity; oxidoreductase activity, acting on the CH-OH group of donors, NAD or NADP as acceptor; protein homodimerization activity;

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