

## Recombinant Human IDH1 Protein

Catalog #	Source	Reactivity	Applications
CRP1700	Human cells	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human IDH1 Protein is produced by our Mammalian expression system and the target gene encoding Met1-Leu414 is expressed with a 6His tag at the C-terminus.		
<b>Form</b>	Liquid in a 0.2 µM filtered solution of PBS, pH 7.4.		
<b>Gene Symbol</b>	IDH1		
<b>Alternative Names</b>	PICD; Isocitrate dehydrogenase [NADP] cytoplasmic; IDH; Cytosolic NADP-isocitrate dehydrogenase; IDP; NADP(+)-specific ICDH; Oxalosuccinate decarboxylase		
<b>Entrez Gene</b>	3417 (Human)		
<b>SwissProt</b>	O75874 (Human)		
<b>Purity</b>	Greater than 95% purity by reducing SDS-PAGE gel.		
<b>Chemical Structure</b>	<p>MSKKISGGSV VEMQGDEMTR IIWELIKEKL IFPYVELDLH SYDLGIENRD ATNDQVTKDA            AEAIKKHNVG VKCATITPDE KRVEEFKLLQ MWKSPNGTIR NILGGTVFRE AIICKNIPRL            VSGWVKPIII GRHAYGDQYR ATDFVVPGP KVEITYTPSD GTQKVITYLVH NFEEGGGVAM            GMYNQDKSIE DFAHSSFQMA LSKGWPLYLS TKNTILKKYD GRFKDIFQEI YDKQYKSQFE            AQKIWYEHRL IDDMVAQAMK SEGGLIWACK NYDGDVQSDS VAQGYGSLGM            MTSVLVCPDG KTVEAEEAHG TVTRHYRMYQ KGQETSTNPI ASIFAWTRGL AHRAKLDNNK            ELAFFANALE EVSIETIEAG FMTKDLAACI KGLPNVQRSD YLNTFEFMDK LGENLKIKLA            QAKLVDHHHH HH</p>		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

**Storage/Stability** Store it at -20°C to -80°C for one year.

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