

Isocitrate Dehydrogenase 1, Soluble (IDH1) Recombinant Protein | IDH1 recombinant protein

Recombinant Isocitrate Dehydrogenase 1, Soluble (IDH1)

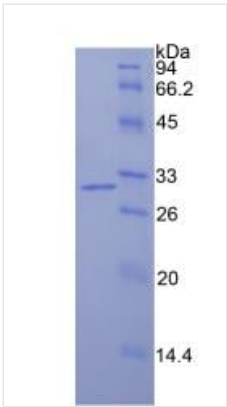
CATALOG # AAA134599	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Isocitrate Dehydrogenase 1; Soluble (IDH1); Recombinant Isocitrate Dehydrogenase 1; IDH1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	The target protein is fused with N-terminal His -Tag, its sequence is listed below. MGHHHH HHS GSEF-AT ITPDEKRV EE FKLKQMWKSP NGTIRN ILGG TVFREAIICK NIPRLVSGWV KPIIGRHAY GDQYRATDFV VPGPGKVEIT YTPSDGTQKV TYLVHNFE EG GGVAMGMYNQ DKSIEDFAHS SFQMALSKGW PLYLSTKNTI LKKYDGRFKD IFQEYDKQY KSQFEAQKIW YEHLIDDMV AQAMKSEGGF IWACKNYDGD VQSDSVAQGY GSLGMMTSVL VCPDGKTVEA EAAHGTVTRH YRMYQKGQET STNPIASI
Sequence Length	414
Applicable Applications for IDH1 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Homo sapiens (Human)
Expression System	Prokaryotic expression
Residues	Ala74~Ile333 (Accession # O75874) with N-terminal His-Tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



Sequence

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      ATITPDE KRVEEFKLKQ MWKSPNGTIR
NILGGTVFRE AIICKNIPRL VSGHWKPIII GRHAYGDQYR ATDFVVPGP
KVEITYTPSD GTQKVTVLVH NFEEGGGVAM GMYNQDKSIE DFAHSSFQMA
LSKGWPLYLS TKNTILKKYD GRFKDIFQEI YDKQYKSQFE AQKIWEHRL
IDDMVAQAMK SEGGFIAWCK NYDGDVQSDS VAQGYGSLGM MTSVLVCPDG
KTVEAEAAHG TVTRHYRMYQ KGQETSTNPI ASI
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SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	538917488
NCBI GeneID	3417
NCBI Accession #	NP_001269315.1
NCBI GenBank Nucleotide #	NM_001282386.1
UniProt Accession #	O75874; Q567U4; Q6FHQ6; Q7Z3V0; Q93090; Q9NTJ9; Q9UKW8
Molecular Weight	30.8kDa
NCBI Official Full Name	isocitrate dehydrogenase
NCBI Official Synonym Full Names	isocitrate dehydrogenase 1 (NADP+), soluble
NCBI Official Symbol	IDH1
NCBI Official Synonym Symbols	IDH; IDP; IDCD; IDPC; PICD; HEL-S-26
NCBI Protein Information	isocitrate dehydrogenase [NADP] cytoplasmic; isocitrate dehydrogenase [NADP] cytoplasmic; NADP(+)-specific ICDH; oxalosuccinate decarboxylase; epididymis secretory protein Li 26; NADP-dependent isocitrate dehydrogenase, cytosolic; NADP-dependent isocitrate dehydrogenase, peroxisomal
UniProt Protein Name	Isocitrate dehydrogenase [NADP] cytoplasmic
UniProt Gene Name	IDH1
UniProt Synonym Gene Names	PICD; IDH
UniProt Entry Name	IDHC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.