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Datasheet for ABIN7319296 IDH1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	IDH1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IDH1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human IDH1 Protein (Human Cells, His Tag)
Sequence:	Met 1-Leu414
Characteristics:	Recombinant Human Isocitrate Dehydrogenase [NADP] Cytoplasmic is produced by our Mammalian expression system and the target gene encoding Met1-Leu414 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	IDH1
Alternative Name:	IDH1 (IDH1 Products)
Background:	Background: Isocitrate Dehydrogenase [NADP] Cytoplasmic (IDH1) belongs to the isocitrate and isopropylmalate dehydrogenases family. IDH1 exists as a homodimer, binding one magnesium

Target Details

or manganese ion per subunit. Mutations of IDH1 have been shown to cause metaphyseal chondromatosis with aciduria and are involved in the development of glioma IDH plays a role in the regeneration of NADPH for intraperoxisomal reductions, such as the conversion of 2, 4-dienoyl-CoAs to 3-enoyl-CoAs, as well as in peroxisomal reactions that consume 2-oxoglutarate, namely the α -hydroxylation of phytanic acid.

Synonym: Isocitrate Dehydrogenase [NADP] Cytoplasmic, IDH, Cytosolic NADP-Isocitrate Dehydrogenase, IDP, NADP(+)-Specific ICDH, Oxalosuccinate Decarboxylase, IDH1, PICD

Molecular Weight:	47.7 kDa
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UniProt:	O75874
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Pathways:	Warburg Effect
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 μ m filtered solution of PBS, pH 7.4.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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