

IDH2 抗原（重组蛋白）

中文名称：IDH2 抗原（重组蛋白）

英文名称：IDH2 Antigen (Recombinant Protein)

别名：isocitrate dehydrogenase 2 (NADP+), mitochondrial; IDH; IDP; IDHM; IDPM; ICD-M; D2HGA2; mNADP-IDH

储存：冷冻（-20℃）

相关类别：抗原

概述

Fusion protein corresponding to a region derived from 354-451 amino acids of human IDH2

技术规格

Full name:	isocitrate dehydrogenase 2 (NADP+), mitochondrial
Synonyms:	IDH; IDP; IDHM; IDPM; ICD-M; D2HGA2; mNADP-IDH
Swissprot:	P48735
Gene Accession:	BC009244
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been

reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. Each NADP(+)-dependent isozyme is a homodimer. The protein encoded by this gene is the NADP(+)-dependent isocitrate dehydrogenase found in the mitochondria. It plays a role in intermediary metabolism and energy production. This protein may tightly associate or interact with the pyruvate dehydrogenase complex. Alternative splicing results in multiple transcript variants.