

IDH3B 抗原（重组蛋白）

中文名称：IDH3B 抗原（重组蛋白）

英文名称：IDH3B Antigen (Recombinant Protein)

别名：RP46; H-IDHB

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 86-359 amino acids of human IDH3B

技术规格：

Full name:	isocitrate dehydrogenase 3 (NAD+) beta
Synonyms:	RP46; H-IDHB
Swissprot:	O43837
Gene Accession:	BC001960
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. NAD(+)-dependent isocitrate dehydrogenase s catalyze the allosterically regulated rate-limiting step of the tricarboxylic acid cycle. Each isozyme is a heterotetramer that is composed of two alpha subunits, one beta subunit, and one gamma subunit. The protein encoded by this gene is the beta subunit of one isozyme of NAD(+)-dependent isocitrate dehydrogenase. Three alternatively spliced transcript variants encoding different isoforms have been described for this gene.