

Recombinant Human IDH3B

Catalog No: #GP11113



Package Size: #GP11113-1 100ug

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Description

Product Name	Recombinant Human IDH3B
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 86-359 amino acids of human isocitrate dehydrogenase 3 (NAD+) beta
Target Name	isocitrate dehydrogenase 3 (NAD+) beta
Other Names	RP46; H-IDHB
Accession No.	Swissprot:O43837Gene Accession:BC001960
Uniprot	O43837
GenID	3420;
Storage	-20~-80°C, pH 7.6 PBS

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 dehydrogenases 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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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