abcepta

IDH3B Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP20575a

Specification

IDH3B Blocking Peptide (N-term) - Product Information

Primary Accession   O43837
Other Accession   Q28479

IDH3B Blocking Peptide (N-term) - Additional Information

Gene ID 3420

Other Names
Isocitrate dehydrogenase [NAD] subunit beta, mitochondrial, Isocitric dehydrogenase subunit beta, NAD(+)-specific ICDH subunit beta, IDH3B

Target/Specificity
The synthetic peptide sequence is selected from aa 35-49 of HUMAN IDH3B

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

IDH3B Blocking Peptide (N-term) - Protein Information

Name IDH3B

Function
Plays a structural role to facilitate the assembly and ensure the full activity of the enzyme catalyzing the decarboxylation of isocitrate (ICT) into alpha-ketoglutarate. The heterodimer composed of the alpha (IDH3A) and beta (IDH3B) subunits and the heterodimer composed of the alpha (IDH3A) and gamma (IDH3G) subunits, have considerable basal activity but the full activity of the heterotetramer (containing two subunits of IDH3A, one of IDH3B and one of IDH3G) requires the assembly and cooperative function of both heterodimers.

Cellular Location
Mitochondrion.

IDH3B Blocking Peptide (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

 • Blocking Peptides

IDH3B Blocking Peptide (N-term) - Images

IDH3B Blocking Peptide (N-term) - References

Kim Y.-O.,et al.J. Biol. Chem. 274:36866-36875(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Deloukas P.,et al.Nature 414:865-871(2001).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).