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IDH3G Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP20665a

Specification

IDH3G Blocking Peptide (N-term) - Product Information

Primary Accession	P51553
Other Accession	P41565, P70404, P41564, Q58CP0

IDH3G Blocking Peptide (N-term) - Additional Information

Gene ID 3421

Other Names
Isocitrate dehydrogenase [NAD] subunit gamma, mitochondrial, Isocitric dehydrogenase subunit gamma, NAD(+)-specific ICDH subunit gamma, IDH3G

Target/Specificity
The synthetic peptide sequence is selected from aa 50-63 of HUMAN IDH3G

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.

IDH3G Blocking Peptide (N-term) - Protein Information

Name IDH3G

Function
Regulatory subunit which plays a role in the allosteric regulation 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.

IDH3G Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides

IDH3G Blocking Peptide (N-term) - Images

IDH3G Blocking Peptide (N-term) - References

Brenner V.,et al.Genomics 44:8-14(1997).
Kim Y.-O.,et al.J. Biol. Chem. 274:36866-36875(1999).
Ross M.T.,et al.Nature 434:325-337(2005).
Simpson J.C.,et al.EMBO Rep. 1:287-292(2000).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).