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PRODH Blocking Peptide (C-Term)

Synthetic peptide
Catalog # BP21994b

Specification

PRODH Blocking Peptide (C-Term) - Product Information

Primary Accession	O43272

PRODH Blocking Peptide (C-Term) - Additional Information

Gene ID 5625

Other Names
Proline dehydrogenase 1, mitochondrial, 1.5.5.2, Proline oxidase, Proline oxidase 2, p53-induced gene 6 protein, PRODH, PIG6, POX2

Target/Specificity
The synthetic peptide sequence is selected from aa 449-461 of HUMAN PRODH

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.

PRODH Blocking Peptide (C-Term) - Protein Information

Name PRODH (HGNC:9453)

Function
Converts proline to delta-1-pyrroline-5-carboxylate.

Cellular Location
Mitochondrion matrix.

Tissue Location
Expressed in lung, skeletal muscle and brain, to a lesser extent in heart and kidney, and weakly in liver, placenta and pancreas

PRODH Blocking Peptide (C-Term) - Protocols

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

- Blocking Peptides

PRODH Blocking Peptide (C-Term) - Images

PRODH Blocking Peptide (C-Term) - Background

Converts proline to delta-1-pyrroline-5-carboxylate.

PRODH Blocking Peptide (C-Term) - References

Campbell H.D.,et al.Hum. Genet. 101:69-74(1997).
Gogos J.A.,et al.Nat. Genet. 21:434-439(1999).
Bender H.-U.,et al.Am. J. Hum. Genet. 76:409-420(2005).
Dunham I.,et al.Nature 402:489-495(1999).
Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.