

Product Datasheet

Radox - Mitochondrial Glycerol-3-Phosphate Dehydrogenase (mGPD) (RCP9303)

Catalog Number	RCP9303
Description	Mitochondrial glycerol-3-phosphate dehydrogenase (mGPD) is a Ca^{2+} -sensitive, FAD-binding protein, located on the outer surface of the inner mitochondrial membrane. mGPD catalyses the oxidation of glycerol-3-phosphate to dihydroxyacetone phosphate (DHAP) with concomitant reduction of the enzyme-bound FAD. Two isoforms have been described for mGPD. Isoform 1 comprises 727aa residues, whereas isoform 2 lacks 126aa residues of the N-terminus. Deficiency of mGPD appears to contribute to the impairment of glucose-stimulated insulin release in several animal models of non-insulin dependent diabetes mellitus.
Preservatives	20 mM Tris HCl pH 8, 1 mM EDTA, 50% Glycerol
Form/Appearance	Liquid
Storage	at -20 °C
Tag	N terminal containing a HIS tag
Note	For research use only
Application notes	ELISA, Western Blotting, etc.
Purity	> 95 %, by SDS-PAGE under reducing conditions
Source	E.coli -derived human recombinant protein
MW	66.26 kDa
Uniprot ID	P43304
Expiration Date	6 months from date of receipt.

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RANDOX

BIOSCIENCES

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