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# Isolated ATP synthase deficiency

INSERM

## Source

INSERM. (1999). *Orphanet: an online rare disease and orphan drug data base. Isolated ATP synthase deficiency. ORPHA:254913*

Isolated ATP synthase deficiency is a rare, genetic, mitochondrial oxidative phosphorylation disorder that may present with a wide range of symptoms (including muscular hypotonia, hypertrophic cardiomyopathy, psychomotor delay, encephalopathy, peripheral neuropathy, lactic acidosis, 3-methylglutaconic aciduria) and clinical syndromes (including NARP and MILS).