





## **DNA Certificaat**

## **Accordant International Pigeon Panel by ISAG**

Certificaat op maart 03, 2023 uitgevaardigd in Moen, België Certificate updated september 11, 2024

The authenticity and updates of this certificate can be verified on "http://www.pigen.be"



Scan this QR code to verify this certificate on "http://www.pigen.be"

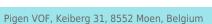
发送此QR码以在网址 www.pigen.be 上验证此证书

This certificate <sup>1</sup> ensures er bes	staat en DNA ¡	profiel of pigeon BE23-418092	27.		
				grootvad	er
			vader		
				grootmoed	er
(DE22 4100027					
BE23-4180927		1			
Gender by DNA: Hen Certificaat: MAR20230043 Proven by DNA				grootvad	er
			moeder		
				grootmoed	er
Ruben Lanckriet		Pascal Lanneau			
0.		15			

Calcium/calmodulin-dependent serine protein kinase (CASK) is a gene important for synapse formation in the brain and the nerve-muscle connection.

LDL Receptor related Protein 8 (LRP8) is a gene important for the growth of the hippocampus inside the brain. The hippocampus is important for recognition of geographic structures and navigational abilities. Glutathion-diSulfide-Reductase (GSR) is a protein that is associated with magnetoreception abilities.

Certificate generated on 18-10-2025



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Quality

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Centrum voor de verbetering, begeleiding en betrouwbaarheid van de genetische kwaliteit van raceduiven

<sup>&</sup>lt;sup>1</sup> This certificate is issued based on tests performed on DNA samples to PiGen by accredited veterinarians and/or FCI officials appointed by the persons that confirmed, on the date of DNA sampling, to be the respective owners of the pigeons with the ringnumbers mentioned in this certificate.

 $<sup>^{2}</sup>$  DNA testing is done according to internationally agreed Pigeon Panel and recommendations by ISAG (International Society of Animal Genetics). The testing labs are certified according NEN-EN-ISO 9001. The probability of exclusion (PE) of this parentage verification is higher than 99,9%.

<sup>&</sup>lt;sup>3</sup> The following DNA markers are scientifically associated with racing performance; LDHA is a gene for a lactate dehydrogenase enzyme. DRD4 or dopamine receptor 4 gene is an indicator for character traits. CRY1 or cryptochrome 1 gene codes for a protein in the retina of the eye.