Homologies between IPA (Invertebrate Primitive Antibody Protein from Ophiocomina Nigra) and Human IGK Protein

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Received Date: March 15, 2022; Published Date: April 11, 2022

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Citation: Michel Leclerc. Homologies between IPA (Invertebrate Primitive Antibody Protein from Ophiocomina Nigra) and Human IGK Protein. ICARE. 2022;1(1):1001.

Introduction

The IGK@ protein [Homo sapiens] graphic by NCBI GenBank: AAH30813.1 is shown below:

The AAH 30813.1 protein has two immunoglobulin domains: 1 and 2: V (Variable) and C (Constant)

1. Region 1

Region: IgV_L_kappa (Table 1)

Comment: Immunoglobulin (Ig) light chain, kappa type, Variable (V) domain

Location: 22…126

Length 105 aa

2. Region 2

Region: IgC_L (Table 1)

Comment : Immunoglobulin constant domain Location : 132…231

Length 100 aa

Results

Results are summarized in Table 1 as shown below:

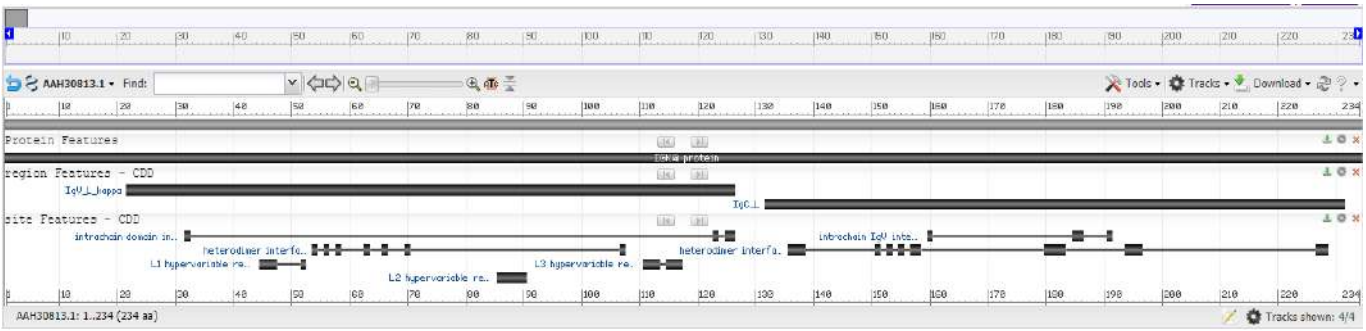

Table 1: Homologies with 100% identities between IPA Protein and Human IGK Protein

Conclusion

It appears clearly that 100% identities occur between the Invertebrate Primitive Antibody (IPA) Protein from Ophiocomina nigra and the Human IGK Protein according to the Table 1.A primitive Antibody exists in Invertebrates it is new and fundamental when many people contest our data [1,2].

References

1) Leclerc M. Amer. J. Immunol. 2013;9(3):94-5.

2) Locker E.S. Immunol Rev. 2004;198:10-24.

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