

Synonyms

FcRn, FCGRT, FCGRT & B2M, FCGRT and B2M, Neonatal Fc receptor, Neonatal receptor, Brambell receptor

Accession number

E9LK24 / Q07717

Catalog number(s)

The sequence shown in this file has been used for all the following products: PIFCRN-U.

Description

The sequence of the extracellular domain of porcine FCGRT (Ala 24-Ser 298) was fused with a C-terminal tag consisting of the AVI tag, TEV protease recognition sequence and a 10-His tag. This was co-transfected with the sequence of porcine B2M (Val 21-His 120) and the resulting FcRn heterodimer was purified.

Sequence

>Pig_FcRn

```
ADNHRSLLYHLTAVSAPTPGAPAFWVSGWLGPQQYLSYNNLRAQAEPYGAWVWESQVSWYWEKETADLRNKQKLFLEALKTLEEG  
GPFTLQGLLGCELGPDNVSVPVATFALNGEEFMKFDTKLGTWDGEWPEARTIGSKWMQEPDAVNKEKTFLLYSCPHRLGLHLERGR  
GNLEWKEPPSMRMKARPGTAPGFSVLTCIAFSFYPPQLRFLRNGLAAGSGESDIGPNGDGSFHAWSSLTVKSGDEHHYCCVVQHA  
GLAQPLTVELESPAKSSGG GLNDIFEAQKIEWHEG GGENLYFQSGGHHHHHHHHHH
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>Pig_B2M

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VARPPKVQVYSRHPAENGKPNYLNCYVSGFHPPQIEIDLLKNGEKMNAEQSDLSFSKDWSFYLLVHTEFTPNAVDQYSCRVKHVTLDK  
PKIVKWDRDH
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The Avi tag (GLNDIFEAQKIEWHEG) is highlighted in a black box, the TEV protease cleavage site (ENLYFQS) is underlined and the 10-His tag (HHHHHHHHHH) is shown in italics. Prior to the Avi tag, TEV cleavage site and His tag there are double glycines (GG) to act as spacers. For products that are biotinylated the biotin will be attached specifically to the lysine (K) within the Avi tag.

For research use only. Not for use in diagnostic or therapeutic procedures.

Gamma Proteins Ltd, Portland House, Belmont Business Park, Durham, DH1 1TW, United Kingdom
Email: support@gammaproteins.com Website: www.gammaproteins.com