

Synonyms

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

Accession number

Q61559 / P01887

Catalog number(s)

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

Description

The sequence of the extracellular domain of mouse FCGRT (Ser 22-Ser 297) 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 mouse B2M (Ile 21-Met 119) and the resulting FcRn heterodimer was purified.

Sequence

>Mouse_FcRn

```
SETRPPLMYHLTAVSNPSTGLPSFWATGWLGPQQYLTYNSLRQEADPCGAWMWENQVSWYWEKETTDLKSKEQLFLEALKTLEKIL  
NGTYTLQGLLGCELASDNSSVPTAVFALNGEEFMKFNPRIGNWTGEWPETEIVANLWMKQPDAARKESEFLLNSCERLLGHLERGR  
RNLEWKEPPSMRLKARPGNSGSSVLTCAAFSFPPELKFRFLRNGLASGSGNCSTGPNGDGSFHAWSLLEVKRGDEHHYQCQVEHEG  
LAQPLTVDLSSARSSGG GLNDIFEAQKIEWHEG GGENLYFQSGGHHHHHHHHHH
```

>Mouse_B2M

```
IQKTPQIQVYSRHPPENGKPNILNCYVTQFHPPHIEIQMLKNGKKIPKVEMSDMSFSKDWSFYLAHTEFTPTETDTYACRVKHASMAE  
PKTVYWDRDM
```

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.

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