

Product Information

MemDX™ Membrane Protein Human GNRHR2 (Gonadotropin releasing hormone receptor 2 (pseudogene)) Full Length

Cat. No.: **MPC0114K**

This product is for research use only and is not intended for diagnostic use.

This product is a 32.5 kDa Human GNRHR2 membrane protein expressed in Baculovirus/Insect expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

GNRHR2

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

32.5 kDa

TMD

7

Sequence

MSAGNGTPWDATWNITVQWLAVDIACRTLMFLKLMATYSAAFLPVVIGLD
RQAAVLNPLGSRSGVRKLLGAAWGLSFLAFPQLFLFHTVHCAGPVPFTQ
CVTKGSFKAQWQETTYNLFTFCCLFLLPLTAMAICYSRIVLSVSRPQTRK
GSHAPAGEFALPRSFDCNPRVRLRALRLALLILTFILCWTPYYLLGMWY
WFSPTMLTEVPPSLSHILFLLGLLNAPLDPLLYGAFTLGCRRGHQELSID
SSKEGSGRMLQEEIHAFRQLEVQKTVTSSRRAGETKGISITSI

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

GNRHR2

Full Name

Gonadotropin releasing hormone receptor 2 (pseudogene)

Introduction

In non-hominoid primates and non-mammalian vertebrates, the gonadotropin releasing hormone 2 receptor gene (GnRHR2) encodes a seven-transmembrane G-protein coupled receptor. However, in human, the corresponding reading frame contains a premature stop codon, which has been suggested to encode a selenocysteine residue, but there is no solid evidence for selenocysteine incorporation (PMID: 12538601). It appears that the human GnRHR2 transcription occurs but the gene does not likely produce a functional multi-transmembrane protein. A non-transcribed pseudogene of GnRHR2 is located on chromosome 14. Multiple alternatively spliced transcript variants have been found for this gene.

Alternative Names

GnRH-II-R; GnRH receptor II 5TM; Type II GnRH receptor; gonadotropin-releasing hormone (type 2) receptor 2, pseudogene; GNRHR2; Gonadotropin releasing hormone receptor 2 (pseudogene)

Gene ID

[114814](#)

UniProt ID

[Q96P88](#)