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# Product Information

## MemDX™ Membrane Protein Human NMBR (Neuromedin B receptor) Full Length

Cat. No.: **MPC0299K**
This product is for research use only and is not intended for diagnostic use.

This product is a 43.4 kDa Human NMBR 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**
NMBR

**Protein Length**
Full length

**Protein Class**
GPCR

**Molecular Weight**
43.4 kDa

**TMD**
7

**Sequence**
MPSKSLSNLSVTTGANESGSVPEGWERDFLPASDGTTTELVIRCVIPSLY
LLIITVGLLGNIMLVKIFITNSAMRSVPNIFISNLAAGDLLLLLTCVPVD
ASRYFFDEWMFGKVGCKLIPVIQLTSVGVSVFTLTALSADRYRAIVNPMD
MQTSGALLRTCVKAMGIWVVSVLLAVPEAVFSEVARISSLDNSSFTACIP
YPQTDELHPKIHSVLIFLVYFLIPLAIISIYYYHIAKTLIKSAHNLPGEY
NEHTKKQMETRKRLAKIVLVFVGCFIFCWFPNHILYMYRSFNYNEIDPSL
GHMIVTLVARVLSFGNSCVNPFALYLLSESFRRHFNSQLCCGRKSYQERG
TSYLLSSSAVRMTSLKSNAKNMVTNSVLLNGHSMKQEMAL

## 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**

NMBR

**Full Name**

Neuromedin B receptor

**Introduction**

This gene encodes a 7-transmembrane G protein-coupled receptor that binds neuromedin B, which is a growth factor and mitogen for gastrointestinal epithelial tissue and for normal and neoplastic lung. This receptor may play a role in smooth muscle contraction, neuronal responses, and the regulation of cell growth. Antagonists of this receptor have a potential therapeutic use in inhibiting tumor cell growth. Polymorphisms in this gene may be associated with a susceptibility for schizophrenia. Alternative splicing of this gene results in multiple transcript variants.

**Alternative Names**

BB1; BB1R; NMB-R; neuromedin-B receptor; bombesin receptor 1; epididymis secretory sperm binding protein Li 185a; epididymis tissue protein Li 185a; neuromedin-B-preferring bombesin receptor; NMBR; Neuromedin B receptor

**Gene ID**

4829

**UniProt ID**

P28336

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