

# Product Information

## MemDX™ Membrane Protein Human TACR1 (Tachykinin receptor 1) Full Length

Cat. No.: **MPC0254K**

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

This product is a 46.2 kDa Human TACR1 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

TACR1

#### Protein Length

Full length

#### Protein Class

GPCR

#### Molecular Weight

46.2 kDa

#### TMD

7

#### Sequence

MDNVLPVDSDLSPNISTNTSEPNQFVQPAWQIVLWAAAYTVIVVTSVVG  
VVVMWILAHKRMRTVTNYFLVNLAFAEASMAAFNTVVNFTYAVHNEWYY  
GLFYCKFHNFPIAAVFASIYSMTAVAFDRYMAIIHPLQPRLSATATKVV  
ICVIWVLALLLAFPQGGYYSTTETMPSRVVCMIIEWPEHPNKIYEKVYHICV  
TVLIYFLPLLVIQYAYTVVGITLWASEIPGDSSDRYHEQVSAKRKVVKMM  
IVVCTFAICWLPFHIFLLPYINPDLYLKKFIQQVYLAIMWLAMSSTMY  
NPIIYCCCLNDRFRLGFKHAFRCCPFISAGDYEGLMKSTRYLQTQGSVYK  
VSRLETTISTVVGAAHEEPEDEGPKATPSSDLT SNCSSRSDSKTMTESFS  
FSSNVLS

### Product Description

#### Expression Systems

Baculovirus/Insect expression system

#### Tag

Flag tag at N-terminal and 10xHis tag at C-terminal

**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**

TACR1

**Full Name**

Tachykinin receptor 1

**Introduction**

This gene belongs to a gene family of tachykinin receptors. These tachykinin receptors are characterized by interactions with G proteins and contain seven hydrophobic transmembrane regions. This gene encodes the receptor for the tachykinin substance P, also referred to as neurokinin 1. The encoded protein is also involved in the mediation of phosphatidylinositol metabolism of substance P.

**Alternative Names**

SPR; NK1R; NK1R; TAC1R; substance-P receptor; NK-1 receptor; NK-1R; tachykinin receptor 1 (substance P receptor; neurokinin-1 receptor); TACR1; Tachykinin receptor 1

**Gene ID**

[6869](#)

**UniProt ID**

[P25103](#)