

# Product Information

## **MemDX™ Membrane Protein Human HCAR1 (Hydroxycarboxylic acid receptor 1) Expressed *in vitro* E.coli expression system, Full Length**

Cat. No.: **MPX3403K**

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

This product is a Human HCAR1 membrane protein expressed *in vitro* E.coli 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

HCAR1

#### Protein Length

Full Length

#### Protein Class

GPCR

#### TMD

7

#### Sequence

MYNGSCCRIEGDTISQVMPPLLIVAFVLGALGNGVALCGFCFHMKTWKPSTVYLFNLAVADFLLMICLPFRTDYLLRRRHWAFGDIP

### Product Description

#### Expression Systems

*in vitro* E.coli expression system

#### Tag

10xHis tag at the N-terminus

#### Protein Format

Soluble

#### Form

Liquid or Lyophilized powder

#### Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### 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

HCAR1

#### Full Name

Hydroxycarboxylic acid receptor 1

#### Introduction

G protein-coupled receptors (GPCRs, or GPRs), such as GPR81, contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins.

#### Alternative Names

HCAR1; HCA1; GPR81; LACR1; FKSG80; GPR104; TAGPCR; TA-GPCR; G protein-coupled receptor 104; G-protein coupled receptor 81; T-cell activation G protein-coupled receptor; hydroxy-carboxylic acid receptor 1; lactate receptor 1; Hydroxycarboxylic acid receptor 1

#### Gene ID

[27198](#)

#### UniProt ID

[Q9BXC0](#)