

Product Information

MemDX™ Membrane Protein Human OXGR1 (Oxoglutarate receptor 1) without tag for

Antibody Discovery

Cat. No.: **MP0983X**

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

This product is a 38.3 kDa Human OXGR1 membrane protein expressed in *in vitro* wheat germ 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

OXGR1

Protein Length

Full-length

Molecular Weight

38.3 kDa

TMD

7

Sequence

MNEPLDYLANASDFPDYAAAFGNCTDENIPLKMHYLPVIYGIIFLVGFPGNAVVISTYIFKMRPWKSSTIIMLN LACTDLLYLTSLPFLIH

Product Description

Application

Antibody Production

Expression Systems

in vitro wheat germ expression system

Tag

NO

Protein Format

Liposome

Form

Liquid

Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

OXGR1

Full Name

Oxoglutarate receptor 1

Introduction

This gene encodes a G protein-coupled receptor (GPCR) that belongs to the oxoglutarate receptor family within the GPCR superfamily. The encoded protein is activated by the citric acid intermediate, oxoglutarate, as well as several cysteinyl leukotrienes, including leukotrienes E4, C4 and D4, which are implicated in many inflammatory disorders. In mice, a knock-out of this gene leads to middle ear inflammation, changes in the mucosal epithelium, and an increase in fluid behind the eardrum, and is associated with hearing loss. Alternative splicing results in multiple transcript variants.

Alternative Names

aKGR; GPR80; GPR99; P2Y15; P2RY15; 2-oxoglutarate receptor 1; G protein-coupled receptor 80; G-protein coupled receptor 99; P2Y purinoceptor 15; P2Y-like GPCR; P2Y-like nucleotide receptor; alpha-ketoglutarate receptor 1; oxoglutarate (alpha-ketoglutarate) receptor 1; seven transmembrane helix receptor

Gene ID

[27199](#)

UniProt ID

[Q96P68](#)