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Product Information

MemDX™ Membrane Protein Human GPR150 (G protein-coupled receptor 150) Expressed *in vitro E.coli* expression system, Full Length

Cat. No.: **MPX3570K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human GPR150 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
GPR150

Protein Length
Full Length

Protein Class
GPCR

TMD
7

Sequence
MEDLFSPSILPPAPNISVPILLGWGLNLTLGQGAPASGPPSRRVRLVFLGVILVVAVAGNTTVLCRLCGGGGPWAGPKRRKMDFLLV

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

GPR150

Full Name

G protein-coupled receptor 150

Introduction

This gene encodes an orphan member of the class A rhodopsin-like family of G-protein-coupled receptors (GPCRs). Within the rhodopsin-like family, this gene is a member of the vasopressin-like subfamily that also includes vasopressin and oxytocin receptors. The silencing of this gene, due to promoter methylation, is associated with ovarian cancer progression. All GPCRs have a transmembrane domain that includes seven transmembrane alpha-helices. A general feature of GPCR signaling is the agonist-induced conformational change in the receptor, leading to activation of the heterotrimeric G protein. The activated G protein then binds to and activates numerous downstream effector proteins, which generate second messengers that mediate a broad range of cellular and physiological processes.

Alternative Names

GPR150; PGR11; probable G-protein coupled receptor 150; G protein-coupled receptor 150

Gene ID

285601

UniProt ID

Q8NGU9

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