

Product Information

MemDX™ Membrane Protein Human GPR143 (G protein-coupled receptor 143) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX3536K**

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

This product is a Human GPR143 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

GPR143

Protein Length

Full Length

Protein Class

GPCR

TMD

7

Sequence

MASPRLGTFCCPTRDAATQLVLSFQPRAFHALCLGSGGLRLALGLLQLLPGRRPAGPGSPATSPPASVRILRAAAACDLLGCLGMV

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

GPR143

Full Name

G protein-coupled receptor 143

Introduction

This gene encodes a protein that binds to heterotrimeric G proteins and is targeted to melanosomes in pigment cells. This protein is thought to be involved in intracellular signal transduction mechanisms. Mutations in this gene cause ocular albinism type 1, also referred to as Nettleship-Falls type ocular albinism, a severe visual disorder. A related pseudogene has been identified on chromosome Y.

Alternative Names

GPR143; OA1; NYS6; ocular albinism 1; ocular albinism type 1 protein; G protein-coupled receptor 143

Gene ID

[4935](#)

UniProt ID

[P51810](#)