SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human GPR143 (G protein-coupled receptor 143) Full Length

Cat. No.: **MPC0123K**
This product is for research use only and is not intended for diagnostic use.

This product is a 43.8 kDa Human GPR143 membrane protein expressed in HEK293. 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

Molecular Weight
43.8 kDa

TMD
7

Sequence
MASPRLGTFCCPTRDAATQLVLSFQPRAFHALCLGSGGLRLALGLLQLLP
GRRPAGPGSPATSPPASVRILRAAAACDLLGCLGMVIRSTVWLGFPNFVD
SVSDMNHTEIWPAAFCVGSAMWIQLLYSACFWWLFCYAVDAYLVIRRSAG
LSTILLYHIMAWGLATLLCVEGAAMLYYPSVSRCERGLDHAIPHYVTMYL
PLLLVLVANPILFQKTVTAVASLLKGRQGIYTENERRMGAVIKIRFFKIM
LVLIICWLSNIINESLLFYLEMQTDINGGSLKPVRTAAKTTWFIMGILNP
AQGFLLSLAFYGWTGCSLGFQSPRKEIQWESLTTSAAEGAHPSPLMPHEN
PASGKVSQVGGQTSDEALSMLSEGSDASTIEIHTASESCNKNEGDPALPT
HGDL

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

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

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

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

Gene ID

4935

UniProt ID

P51810

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