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Product Information

NativeExtract™ Human GPR143 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX247**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human GPR143 protein in native nanodisc form. The synthetic compound we developed can solubilize the GPR143 protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
GPR143

Protein Length
Full length

Molecular Weight
43.9kDa

Sequence
Accession # P51810

Product Description

Activity
Yes

Application
ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems
HEK293 expression system

Tag
Flag tag at the C-terminus

Protein Format
Native Nanodisc

Form
Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -80°C.

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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