

Product Information

NativeExtract™ Human GPR50 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX155**

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

This product is recombinant Human GPR50 protein in native nanodisc form. The synthetic compound we developed can solubilize the GPR50 protein from membrane while retaining the native structure.

Product Specifications

Host Species

Human

Target Protein

GPR50

Protein Length

Full length

Molecular Weight

67.4kDa

Sequence

Accession # [Q13585](#)

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**

GPR50

Full Name

G protein-coupled receptor 50

Introduction

This gene product belongs to the G-protein coupled receptor 1 family. Even though this protein shares similarity with the melatonin receptors, it does not bind melatonin, however, it inhibits melatonin receptor 1A function through heterodimerization. Polymorphic variants of this gene have been associated with bipolar affective disorder in women.

Alternative Names

H9; Mel1c; melatonin-related receptor; GPR50; G protein-coupled receptor 50

Gene ID

[9248](#)

UniProt ID

[Q13585](#)