

Product Information

NativeExtract™ Human GPR45 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX202**

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

This product is recombinant Human GPR45 protein in native nanodisc form. The synthetic compound we developed can solubilize the GPR45 protein from membrane while retaining the native structure.

Product Specifications

Host Species

Human

Target Protein

GPR45

Protein Length

Full length

Molecular Weight

42kDa

Sequence

Accession # [Q9Y5Y3](#)

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**

GPR45

Full Name

G protein-coupled receptor 45

Introduction

This intronless gene encodes a member of the G protein-coupled receptor (GPCR) family. Members of this protein family contain seven putative transmembrane domains and may mediate signaling processes to the interior of the cell via activation of heterotrimeric G proteins. This protein may function in the central nervous system.

Alternative Names

GPR45; PSP24; PSP24A; PSP24(ALPHA); probable G-protein coupled receptor 45; PSP24-1; PSP24-alpha; high-affinity lysophosphatidic acid receptor; G protein-coupled receptor 45

Gene ID

[11250](#)

UniProt ID

[Q9Y5Y3](#)