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Product Information

NativeExtract™ Human GPBAR1 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX226**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human GPBAR1 protein in native nanodisc form. The synthetic compound we developed can solubilize the GPBAR1 protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
GPBAR1

Protein Length
Full length

Molecular Weight
35.2kDa

Sequence
Accession # Q8TDU6

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

GPBAR1

Full Name

G protein-coupled bile acid receptor 1

Introduction

This gene encodes a member of the G protein-coupled receptor (GPCR) superfamily. This enzyme functions as a cell surface receptor for bile acids. Treatment of cells expressing this GPCR with bile acids induces the production of intracellular cAMP, activation of a MAP kinase signaling pathway, and internalization of the receptor. The receptor is implicated in the suppression of macrophage functions and regulation of energy homeostasis by bile acids. Alternative splicing results in multiple transcript variants encoding the same protein.

Alternative Names

BG37; TGR5; M-BAR; GPCR19; GPR131; G-protein coupled bile acid receptor 1; G-protein coupled bile acid receptor BG37; G-protein coupled receptor GPCR19; membrane bile acid receptor; membrane-type receptor for bile acids; GPBAR1; G protein-coupled bile acid receptor 1

Gene ID

151306

UniProt ID

Q8TDU6

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