

Product Information

NativeExtract™ Human GLP1R Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX449**

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

This product is recombinant Human GLP1R protein in native nanodisc form. The synthetic compound we developed can solubilize the GLP1R protein from membrane while retaining the native structure.

Product Specifications

Host Species

Human

Target Protein

GLP1R

Protein Length

Full length

Molecular Weight

53.0 kDa

Sequence

Accession # [P43220](#)

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**

GLP1R

Full Name

Glucagon like peptide 1 receptor

Introduction

This gene encodes a 7-transmembrane protein that functions as a receptor for glucagon-like peptide 1 (GLP-1) hormone, which stimulates glucose-induced insulin secretion. This receptor, which functions at the cell surface, becomes internalized in response to GLP-1 and GLP-1 analogs, and it plays an important role in the signaling cascades leading to insulin secretion. It also displays neuroprotective effects in animal models. Polymorphisms in this gene are associated with diabetes. The protein is an important drug target for the treatment of type 2 diabetes and stroke. Alternative splicing of this gene results in multiple transcript variants.

Alternative Names

GLP-1; GLP-1R; GLP-1-R; GLP-1 receptor; GLP1 receptor; seven transmembrane helix receptor; GLP1R; Glucagon like peptide 1 receptor

Gene ID

[2740](#)

UniProt ID

[P43220](#)