

# Product Information

## NativeExtract™ Human GPRC5B Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX225**

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

This product is recombinant Human GPRC5B protein in native nanodisc form. The synthetic compound we developed can solubilize the GPRC5B protein from membrane while retaining the native structure.

### Product Specifications

#### Host Species

Human

#### Target Protein

GPRC5B

#### Protein Length

Full length

#### Molecular Weight

44.8kDa

#### Sequence

Accession # [Q9NZH0](#)

### 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**

GPRC5B

**Full Name**

G protein-coupled receptor class C group 5 member B

**Introduction**

This gene encodes a member of the type 3 G protein-coupled receptor family. Members of this superfamily are characterized by a signature 7-transmembrane domain motif. The encoded protein may modulate insulin secretion and increased protein expression is associated with type 2 diabetes. Alternative splicing results in multiple transcript variants.

**Alternative Names**

RAIG2; RAIG-2; G-protein coupled receptor family C group 5 member B; G protein-coupled receptor, family C, group 1, member B; retinoic acid responsive gene protein; retinoic acid-induced gene 2 protein; GPRC5B; G protein-coupled receptor class C group 5 member B

**Gene ID**

[51704](#)

**UniProt ID**

[Q9NZH0](#)