

GPRC5C protein

Human GPRC5C-Strep full length protein-synthetic nanodisc

CATALOG #
AAA129487

HOST
HEK293

PRODUCT SYNONYMS

GPRC5C; Human GPRC5C-Strep full length protein-synthetic nanodisc; RAIG-3; RAIG3; GPRC5C protein

PRODUCT SPECIFICATIONS

Host	HEK293
Form/Format	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Lyophilized from PBS. Normally 5%-
Tag	C-DYKDDDDK&Strep
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

IMAGES

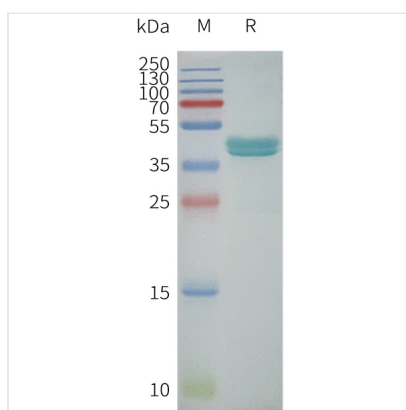

SDS-PAGE

Figure 2. Human GPRC5C-Strep-Nanodisc, C-DYKDDDDK&#038;Strep Tag on SDS-PAGE

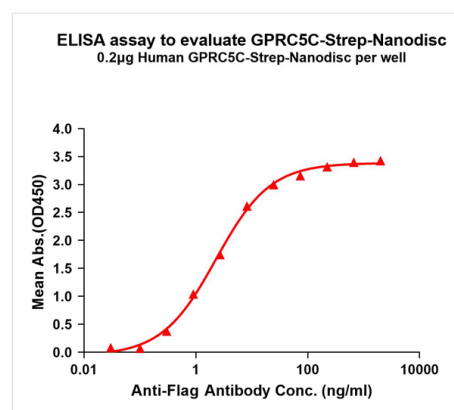

ELISA

Figure 1. Elisa plates were pre-coated with C-DYKDDDDK&Strep Tag GPRC5C-Strep-Nanodisc (0.2ug/per well). Serial diluted anti-DYKDDDDK monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-DYKDDDDK monoclonal antibody binding with GPRC5C-Strep-nanodisc is 2.291ng/ml.

ADDITIONAL INFORMATION

Related Product Information for GPRC5C protein	The protein is 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 specific function of this protein is unknown; however, this protein may mediate the cellular effects of retinoic acid on the G protein signal transduction cascade.
Product Categories/Family for GPRC5C protein	Full Length Transmembrane Proteins; Druggable Genome; GPCR; Transmembrane

NCBI AND UNIPROT INFORMATION

NCBI GI #	40217833
NCBI GeneID	55890
NCBI Accession #	NP_061123.3
NCBI GenBank Nucleotide #	NM_018653.3
UniProt Accession #	Q9NQ84; Q2NL85; Q9NZG5; B5BUN4
Molecular Weight	49,389 Da
NCBI Official Full Name	G-protein coupled receptor family C group 5 member C isoform b
NCBI Official Synonym Full Names	G protein-coupled receptor, class C, group 5, member C
NCBI Official Symbol	GPRC5C
NCBI Official Synonym Symbols	RAIG3; RAIG-3
NCBI Protein Information	G-protein coupled receptor family C group 5 member C; orphan G-protein coupled receptor; retinoic acid-induced gene 3 protein; retinoic acid responsive gene protein; G protein-coupled receptor, family C, group 5, member C
UniProt Protein Name	G-protein coupled receptor family C group 5 member C
UniProt Gene Name	GPRC5C
UniProt Synonym Gene Names	RAIG3; RAIG-3
UniProt Entry Name	GPC5C_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/hek293-protein/gprc5c/129487>