

## Active Recombinant Human GPRC5D protein, His-Avi&Flag-tagged, Biotinylated(Nanodisc)

Cat. No. GPRC5D-638H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant Human GPRC5D protein(Q9NZD1-2)(Tyr 2 - Phe 192 & Glu 197 - Leu 262) is expressed from HEK293 with His tag, Avi tag and Flag tag.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Tyr 2 - Phe 192 & Glu 197 - Leu 262
<b>Form</b>	Supplied as 0.2 µm filtered solution in 50 mM HEPES, 150 mM NaCl, DDM, CHS, pH7.5 with glycerol as protectant.
<b>Bio-activity</b>	Immobilized Biotinylated Human GPRC5D, His,Avitag&Flag Tag (Nanodisc) at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Anti-GPRC5D Antibody, Mouse IgG1 with a linear range of 0.002-0.313 µg/mL.
<b>Molecular Mass</b>	This protein carries a Flag tag at the N-terminus and a polyhistidine tag at the C-terminus followed by an Avi tag with calculated MW of 53.5 kDa. The protein migrates as 35-40 kDa under reducing (R) condition (SDS-PAGE). The membrane scaffold protein (MSP1D1) has calculated MW of 24.7 kDa, and it migrates as 25 kDa under reducing (R) condition (SDS-PAGE).
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.

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<b>Purity</b>	>85% as determined by SDS-PAGE.
<b>Storage</b>	This product is stable after storage at: The product <b>MUST</b> be stored at -70°C or lower upon receipt; -70°C for 3 months under sterile conditions.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	GPRC5D G protein-coupled receptor, family C, group 5, member D [ Homo sapiens ]
<b>Official Symbol</b>	GPRC5D
<b>Synonyms</b>	GPRC5D; G protein-coupled receptor, family C, group 5, member D; G-protein coupled receptor family C group 5 member D; orphan G-protein coupled receptor; MGC129713; MGC129714;
<b>Gene ID</b>	55507
<b>mRNA Refseq</b>	NM_018654
<b>Protein Refseq</b>	NP_061124
<b>MIM</b>	607437
<b>UniProt ID</b>	Q9NZD1

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