

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	HEK293
ProteinLength	Tyr 2 - Phe 192 & Glu 197 - Leu 262
Form	Supplied as 0.2 µm filtered solution in 50 mM HEPES, 150 mM NaCl, DDM, CHS, pH7.5 with glycerol as protectant.
Bio-activity	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.
Molecular Mass	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).
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>85% as determined by SDS-PAGE.
Storage	This product is stable after storage at: The product MUST be stored at -70°C or lower upon receipt; -70°C for 3 months under sterile conditions.
Reconstitution	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.
Conjugation	Biotin

GENE INFORMATION

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

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