

Active Recombinant Human GPRC5D protein, Flag-His-tagged

Cat. No. GPRC5D-1488H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GPRC5D protein(Tyr2-Phe192&Glu197-Leu262), fused with His and Flag tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	2-192;197-262 a.a.
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 Human GPRC5D, Flag,His Tag at 10 µg/mL (100 µL/well) on an Nickel Coated plate can bind Anti-GPRC5D antibody with a linear range of 2-78 ng/mL.
Molecular Mass	This protein carries flag tag at the N-terminus and polyhistidine tag at the C-terminusThe protein has a calculated MW of 51.8 kDa. The protein migrates as 35-38 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Tyr2-Phe192&Glu197-Leu262
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>85% as determined by SDS-PAGE.

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Storage For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

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.

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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