

GPR75 protein

Human GPR75-Strep full length protein-synthetic nanodisc

CATALOG #
AAA129484

HOST
HEK293

PRODUCT SYNONYMS

GPR75; Human GPR75-Strep full length protein-synthetic nanodisc; GPRchr2; WI31133; GPR75 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. Do not use solvents with pH lower
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

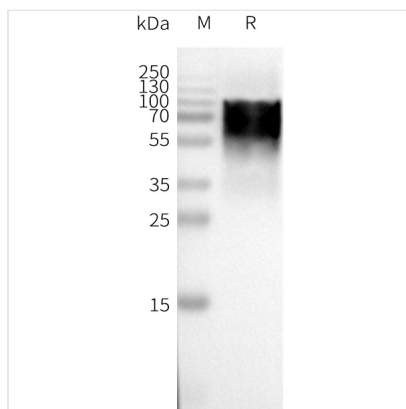

WB (Western Blot)

Figure 3. WB analysis of GPR75-Strep-Nanodisc with anti-GPR75 monoclonal antibody , followed by Goat Anti-Human IgG HRP at 1/5000 dilution

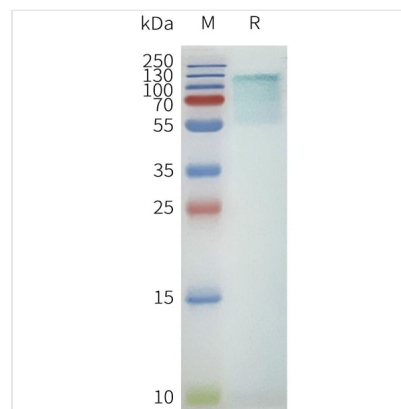
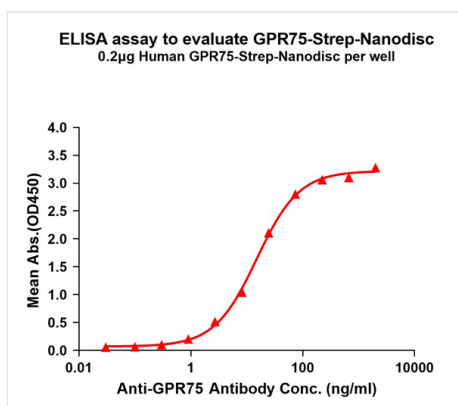

SDS-PAGE

Figure 2. Human GPR75-Strep-Nanodisc, C-DYKDDDDK&#038;Strep Tag on SDS-PAGE



ELISA

Figure 1. Elisa plates were pre-coated with C-DYKDDDDK&Strep Tag GPR75-Strep-Nanodisc (0.2ug/per well). Serial diluted anti-GPR75 monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-GPR75 monoclonal antibody binding with GPR75-Strep-Nanodisc is 15.14ng/ml.

ADDITIONAL INFORMATION

Related Product Information for GPR75 protein	G protein-coupled receptor that is activated by the chemokine CCL5/RANTES. Probably coupled to heterotrimeric Gq proteins, it stimulates inositol trisphosphate production and calcium mobilization upon activation. Together with CCL5/RANTES, may play a role in neuron survival through activation of a downstream signaling pathway involving the PI3, Akt and MAP kinases. CCL5/RANTES may also regulate insulin secretion by pancreatic islet cells through activation of this receptor.
Product Categories/Family for GPR75 protein	Full Length Transmembrane Proteins; Druggable Genome; GPCR; Transmembrane

NCBI AND UNIPROT INFORMATION

NCBI GI #	5803025
NCBI GeneID	10936
NCBI Accession #	NP_006785.1
NCBI GenBank Nucleotide #	NM_006794.3
UniProt Accession #	O95800; Q6NWR2; B2RC02
Molecular Weight	59,359 Da
NCBI Official Full Name	probable G-protein coupled receptor 75
NCBI Official Synonym Full Names	G protein-coupled receptor 75
NCBI Official Symbol	GPR75
NCBI Official Synonym Symbols	GPRchr2; WI31133
NCBI Protein Information	probable G-protein coupled receptor 75
UniProt Protein Name	Probable G-protein coupled receptor 75
UniProt Gene Name	GPR75
UniProt Entry Name	GPR75_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.