

G-protein coupled receptor 20 (GPR20)-VLPs Recombinant Protein | GPR20 recombinant protein

Recombinant Human G-protein coupled receptor 20 (GPR20)-VLPs (Active)

CATALOG # AAA279400	HOST Mammalian cell
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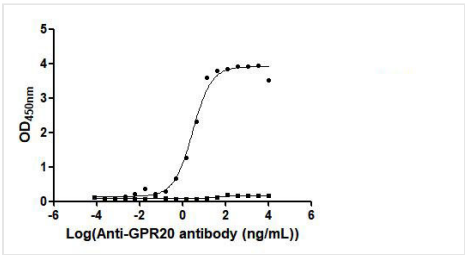
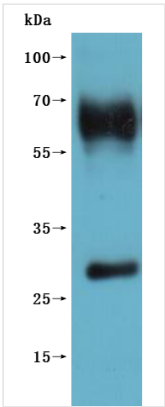
PRODUCT SYNONYMS

G-protein coupled receptor 20 (GPR20)-VLPs; Recombinant Human G-protein coupled receptor 20 (GPR20)-VLPs (Active); GPR20 Human-VLPs; GPR20 recombinant protein

PRODUCT SPECIFICATIONS

Host	Mammalian cell
Purity/Purification	The purity information is not available for VLPs proteins.
Form/Format	Lyophilized powder. Lyophilized from a 0.2um sterile filtered PBS, 6% Trehalose, pH 7.4
Sequence	MPSVSPAGPS AGAVPNATAV TTVRTNASGL EVPLFHLFAR LDEELHGTFP GLWLALMAVH GAIFLAGLVL NGLALYVFCC RTRAKTPSVI YTINLVVTDL LVGLSLPTRF AVYYGARGCL RCAFPVHVG Y FLNMHCSILF LTCICVDRYL AIVRPEGSRR CRQPACARAV CAFVWLAAGA VTLSVLGVTG SRPCCR VFAL TVLEFLLPLL VISVFTGRIM CALSRPGLLH QGRQRRVRAM QLLLTVLIIF LVCFTPFHAR QVAVALWPDM PHHTSLVYH VAVTLSSLNS CMDPIVYCFV TSGFQATVRG LFGQHGEREP SSGDVVSMHR SSKGSGRHHI LSAGPHALTQ ALANGPEA
Sequence Length	1-358aa; Full Length
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged (This tag can be tested only under denaturing conditions)
Transmembrane Domain	7TM
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot for long-term storage at -80 degree C. Solubilize for 60 minutes at room temperature with occasional gentle mixing. Avoid vigorous shaking or vortexing.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human GPR20 at 10ug/mL can bind Anti-GPR20 recombinant antibody. The EC50 is 2.431-3.239ng/mL. The VLPs is negative control.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Notes: The VLPs are expressed from human 293 cells (HEK293). Mix the sample gently by repeatedly pipetting it up and down. Do not vortex. Repeated freezing and thawing is not recommended. Store the protein at -20 degree C/-80 degree C upon receiving it, and ensure to avoid repeated freezing and thawing, otherwise, it will affect the protein activity. The immunization strategy should be optimized (antigen dose, regimen and adjuvant).

IMAGES



Bioactivity

Application Data
Detected by Mouse anti-6*His monoclonal antibody.(This tag can be tested only under denaturing conditions.

ADDITIONAL INFORMATION

Related Product Information for GPR20 recombinant protein	Orphan receptor with constitutive G(i) signaling activity that activate cyclic AMP.
Product Categories/Family for GPR20 recombinant protein	Signal Transduction
References	Selective inhibition of heterotrimeric Gs signaling. Targeting the receptor-G protein interface using a peptide minigene encoding the Galpha(s) carboxyl terminus.Feldman D.S., Zamah A.M., Pierce K.L., Miller W.E., Kelly F., Rapacciuolo A., Rockman H.A., Koch W.J., Luttrell L.M.J Biol Chem 277:28631-28640 (2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	89257346
NCBI GeneID	2843
NCBI Accession #	NP_005284.2
NCBI GenBank Nucleotide #	NM_005293.2
UniProt Accession #	Q99678; Q17R96
Molecular Weight	38,650 Da
NCBI Official Full Name	G-protein coupled receptor 20
NCBI Official Synonym Full Names	G protein-coupled receptor 20
NCBI Official Symbol	GPR20
NCBI Protein Information	G-protein coupled receptor 20
UniProt Protein Name	G-protein coupled receptor 20
UniProt Gene Name	GPR20
UniProt Entry Name	GPR20_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.