



Recombinant Human Leucine-rich repeat-containing G-protein coupled receptor 5 (LGR5)-VLPs (Active)

Product Code	CSB-MP012906HU(A4)
Abbreviation	Recombinant Human LGR5 protein-VLPs (Active)
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O75473
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human LGR5 at 10 µg/mL can bind Anti-LGR5 recombinant antibody (CSB-RA012906MA1HU). The EC50 is 1.690-1.867 ng/mL. The VLPs (CSB-MP3838) is negative control.
Purity	/
Sequence	GSSPRSGVLLRGCPHCHCEPDGRMLLRVDCSDLGLSELPSNLSVFTSYLDL SMNNISQLLPNPLPSLRFLEELRLAGNALTYPKGAFTGLYSLKVLMLQNNQLR HVPTEALQNLRSLSRLDANHISYVPPSCFSGHLHSLRHLWLDDNALTEIPVQA FRSLSALQAMTLALNKIHHIPDYAFGNLSSLVVLHLLHNNRIHSLGKKCFDGLHSL ETLDLNYNNLDEFPTAIRTLNLKELGFHSSNIRSIPEKAFVGNPSLITIHFYDNPI QFVGRSAFQHLPELRTLTLNGASQITEFPDLTGTANLESLTLTGAQISSLPQTV CNQLPNLQVLDLSYNLLEDLPSFSVCQKQKIDLRHNEIYEIKVDTFQQLLSLRS LNLAWNKIAIHPNAFSTLPSLIKLDLSSNLLSSFPITGLHGLTHLKLGTGNHALQSL ISSENFPELKVIEMPYAYQCCAFGVCENAYKISNQWNKGDNSSMDDLHKKDA GMFQAQDERDLEDFLDFEEDLKALHSVQCSPSPGPFKPEHLLDGWLIRIGV WTIAVLALTCNALVTSTVFRSPLYISPIKLLIGVIAAVNMLTGVSSAVLAGVDAFT FGSFARHGAWWENGVGCHVIGFLSIFASESSVLLTLAALERGFVSVKYSKFE TKAPFSSLKVIILLCALLALTMAAVPLLGGSKYGASPLCLPLPFGEPTMGYMVA LILLNSLCFLMMTIAYTKLYCNLDKGDLENIWDCSMVKHIALLLFTNCILNCPVAF LSFSSLINLTFISPEVIKIFILLVVVPLPACLNPLLYILFNPHFKEDLVSLRKQTYVW TRSKHPSLMSINSDDVEKQSCDSTQALVTFTSSSITYDLPPSSVPSPAYPVTES CHLSSVAFVPCL
Source	Mammalian cell
Target Names	LGR5
Expression Region	22-907aa



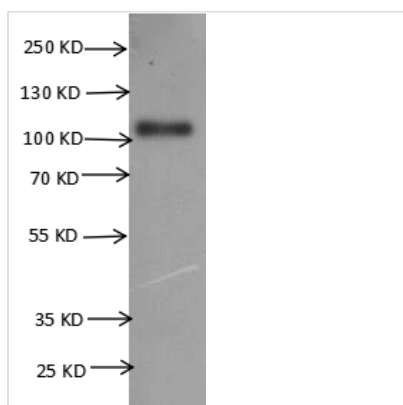
Notes The VLPs are expressed from human 293 cells (HEK293). Mix the sample gently by repeatedly pipetting it up and down. Do not vortex. Repeated freezing and thawing is not recommended. Store the protein at -20°C/-80°C upon receiving it, and ensure to avoid repeated freezing and thawing, otherwise, it will affect the protein activity. The immunization strategy should be optimized (antigen dose, regimen and adjuvant).

Tag Info C-terminal 10xHis-tagged

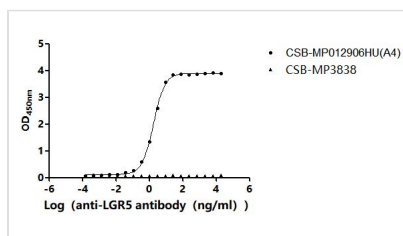
Mol. Weight 99.2 kDa

Protein Length Full Length of Mature Protein

Image



CSB-MP012906HU(A4) is detected by Mouse anti-10*His monoclonal antibody.



Activity
Measured by its binding ability in a functional ELISA. Immobilized Human LGR5 at 10 μg/ml can bind Anti-LGR5 recombinant antibody (CSB-RA012906MA1HU). The EC₅₀ is 1.690-1.867 ng/mL. The VLPs (CSB-MP3838) is negative control.

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. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life 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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.