



Recombinant *Macaca fascicularis* Leucine rich repeat containing G protein-coupled receptor 5 (LGR5), partial (Active)

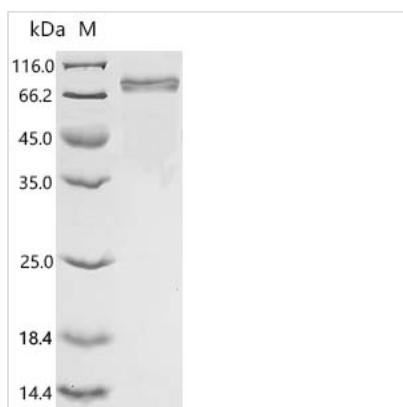
Product Code	CSB-MP7602MOV
Abbreviation	Recombinant <i>Cynomolgus</i> monkey LGR5 protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	G7PI19
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	<i>Macaca fascicularis</i> (Crab-eating macaque) (<i>Cynomolgus</i> monkey)
Biological Activity	<p>① Measured by its binding ability in a functional ELISA. Immobilized <i>Macaca fascicularis</i> LGR5 at 2 µg/mL can bind anti-LGR5 recombinant antibody (CSB-RA012906MA1HU). The EC₅₀ is 15.10-19.23 ng/mL.</p> <p>② LGR5 Recombinant Monoclonal Antibody (CSB-RA012906MA1HU) captured on Protein A Chip can bind <i>Macaca fascicularis</i> LGR5 with an affinity constant of 0.362 nM as detected by MetaSPR Assay (WeSPRTM 200).</p>
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	<p>SSSPRSGALLRGCPHCHCEPDGRMLLRVDCSDLGLSELPSNLSVFTSYLDLS MNNISQLLPNPLPSLRFLEELRLAGNALTYPKGAFTGLYSLKVLMLQNNQLRQ VPTEALQNLRLSLQSLRLDANHISYVPPSCFSGHLHSLRHLWDDNALTEIPVQAF RSLSALQAMTLALNKIHHIPDYAFGNLSSLVVLHHLHNNRIHSLGKKCFDGLHSLE TLDLNYNNLDEFPTAIRTLNKLKELGFHSNNIRSIPEKAFVGNPSLITIHFYDNPI QFVGRSAFQHLPELRTLTLNGASQITEFPDLTGTANLESLTLTGAQISSLPQTV CNQLPNLQVLDLSYNLLEDLPSFSVCQKQKIDLRHNEIYEIKVDTFQQLLSLRS LNLAWNKIAIHPNAFSTLPSLIKLDLSSNLLSSFPVTGLHGLTHLKLTKGNHALQS LISSENFPELKIIEMPYAYQCCAFGVCENAYKISNQWNKGDNSSMDDLHKKDA GMFQVQDERDLEDLDFEEDLKALHSVQCSPSPGPFKPCHELLDG</p>
Source	Mammalian cell
Target Names	LGR5
Expression Region	22-557aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged



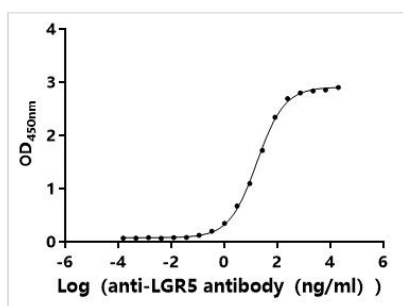
Mol. Weight 66.0 kDa

Protein Length Partial

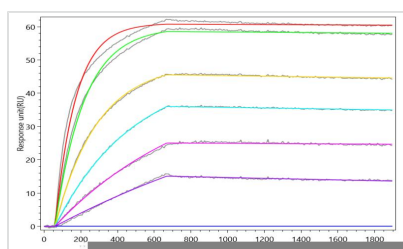
Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity
Measured by its binding ability in a functional ELISA. Immobilized *Macaca fascicularis* LGR5 at 2 µg/ml can bind anti-LGR5 recombinant antibody (CSB-RA012906MA1HU). The EC₅₀ is 15.10-19.23 ng/mL.



Activity
LGR5 Recombinant Monoclonal Antibody (CSB-RA012906MA1HU) captured on Protein A Chip can bind *Macaca fascicularis* LGR5 with an affinity constant of 0.362 nM as detected by MetaSPR Assay (WeSPRTM 200).

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.