Active Recombinant Human G Protein-Coupled Receptor 115, His-tagged

Cat. No. GPR115-5631H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RecombinantHuman GPR115 protein was expressed in Chinese HamsterOvary cell line. Ser22-Ala347, with a C-terminal 6-Histag.
Species	Human
Source	CHO
ProteinLength	22-347 a.a.
Description	GPR115 is a member of the LN-7TM family of adhesion-type7-transmembrane (TM) G-protein coupled receptors (GPCR) that show a longextracellular N-terminus. The 695 amino acid (aa) human GPR115 sequencepredicts a 21 aa signal sequence, a 385 aa N-terminal extracellular domain(ECD), seven TM regions separated by 6-24 aa intracellular and extracellularregions, and a 40 aa cytoplasmic tail. Like other LN-7TM members, the ECDcontains a highly glycosylated mucin-like stalk that is predicted to functionin adhesion. This is followed by a cysteine-rich GPCR proteolytic cleavagesite (GPS).
Form	Lyophilized from a0.2 um filtered solution in PBS.
N-terminalSequence	Ser22
MolecularWeight	37 kDa

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Activity	Measuredby the ability of the immobilized protein to support the adhesion of U-87 MGhuman glioblastoma/astrocytoma cells. When 5x104 cells per wellare added to rhGPR115 coated plates (5 μg/mL, 100 μL/well), approximately 60-85%will adhere after 60 minutes at 37°C.
Endotoxin Level	<1.0EU per 1μg of the protein by the LAL method.
SDS-PAGE	66-100kDa, reducing conditions.
Purity	>90%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	200 μg/mLin sterile PBS
Storage	Use amanual defrost freezer and avoid repeated freeze-thaw cycles. 12 monthsfrom date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C understerile conditions after reconstitution. 3 months, -20 to -70 °C understerile conditions after reconstitution.

GENE INFORMATION

Gene Name	GPR115 G protein-coupledreceptor 115 [Homo sapiens]
Official Symbol	GPR115
Synonyms	GPR115; Gprotein-coupled receptor 115; PGR18; probable G-protein coupled receptor115; G-protein coupled receptor PGR18; seven transmembrane helix receptor
Gene ID	221393
mRNA Refseq	NM_153838

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Protein Refseq	NP_722580
MIM	614268
UniProt ID	Q8IZF3
Chromosome Location	6p12.3
Function	G-protein coupledreceptor activity; receptor activity; signal transducer activity

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