

GPR114 Protein, Human (HEK293, Fc)

| | |
|-------------------|---|
| Cat. No.: | HY-P76960 |
| Synonyms: | Adhesion G-protein coupled receptor G5; G-protein coupled receptor 114; ADGRG5; PGR27 |
| Species: | Human |
| Source: | HEK293 |
| Accession: | Q8IZF4 (E22-G184) |
| Gene ID: | 221188 |
| Molecular Weight: | 56-63 kDa |

PROPERTIES

| | |
|---------------------|--|
| Appearance | Lyophilized powder. |
| Formulation | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. |
| Endotoxin Level | <1 EU/µg, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| Shipping | Room temperature in continental US; may vary elsewhere. |

DESCRIPTION

| | |
|------------|--|
| Background | GPR114 is an adhesion G protein-coupled receptor (GPCR) that plays a key role in signal transduction by coupling with the G(s) subunit alpha of guanine nucleotide-binding proteins and activating the adenylate cyclase pathway. Notably, isoform 1 exhibits constitutive activity, leading to elevated basal levels of cyclic AMP (cAMP), and demonstrates responsiveness to mechanical stimulation, such as shaking. This highlights the functional significance of GPR114 in mediating intracellular signaling cascades and suggests its involvement in cellular responses to mechanical cues. |
|------------|--|

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA