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**Recombinant Human GPR114 Protein (Fc tag)****Cat.NO.: TP07236**

3th Edition

**Synonyms:**GPR114;PGR27

**Description:**GPR114 belongs to the G-protein coupled receptor 2 family. Members of this family share a common molecular architecture which consists of seven transmembrane domains, three extracellular loops, three intracellular loops, an amino-terminal extracellular domain and an intracellular carboxyl terminus. It is thought that light acts as the activating stimulus of a G-protein-coupled receptor (GPCR). GPCRs are expected to have molecular function (G-protein coupled receptor activity) and to localize in various compartments (endoplasmic reticulum membrane, plasma membrane, integral to membrane). Family B of the GPCRs is a small but structurally and functionally diverse group of proteins that includes receptors for polypeptide hormones, molecules thought to mediate intercellular interactions at the plasma membrane and a group of Drosophila proteins that regulate stress responses and longevity. GPR114 contains 1 GPS domain. GPR114 gene has been proposed to participate in processes (G-protein coupled receptor protein signaling pathway, neuropeptide signaling pathway).

**Form:**PBS**Molecular Weight:**45.6 kDa**Sequences:**Met 1-Gly184**Purity:**> 95% by HPLC**Concentration:****Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.