

Datasheet for ABIN7317740 **GPR114 Protein (Fc Tag)**



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	GPR114
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPR114 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human GPR114 Protein (Fc Tag)
Sequence:	Met 1-Gly184
Characteristics:	A DNA sequence encoding the human GPR114 (Q8IZF4) (Met1-Gly184) was expressed, fused with the Fc region of human IgG1 at the C-terminus.
Purity:	> 94 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	GPR114
Alternative Name:	GPR114 (GPR114 Products)
Background:	Background: 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

Target Details

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).

Synonym: GPR114,PGR27

Molecular Weight: 45.6 kDa

UniProt: [Q8IZF4](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.