

Recombinant Human GPR120 293 Cell Lysate

Cat. No. GPR120-5799HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for G protein-coupled receptor 120 (GPR120) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

FFAR4 free fatty acid receptor 4 [Homo sapiens]

Official Symbol

GPR120

Synonyms

GT01; PGR4; BMIQ10; GPR120; GPR129; O3FAR1; free fatty acid receptor 4; omega-3 fatty acid receptor 1; G-protein coupled receptor 120; G-protein coupled receptor 129; G-protein coupled receptor GT01; G-protein coupled receptor PGR4

Gene ID

338557

mRNA Refseq

NM_001195755

Protein Refseq

NP_001182684

MIM

609044

UniProt ID

Q5NUL3

**Chromosome
Location**

10q23.33

Pathway

Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Free fatty acid receptors, organism-specific biosystem; Incretin synthesis, secretion, and inactivation, organism-specific biosystem

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Function	fatty acid binding; taste receptor activity
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