

Human GPR75 Full Length Protein, Flag,His Tag (Detergent)

Catalog # GP5-H52D3



BIOSYSTEMS
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Surprise Inside!

Synonym

GPRchr2, WI31133

Source

Human GPR75 Full Length Protein, Flag,His Tag(GP5-H52D3) is expressed from human 293 cells (HEK293). It contains AA Met 1 - Val 540 (Accession # [O95800](#)).

Predicted N-terminus: Asp

Molecular Characterization

This protein carries flag tag at the N-terminus and polyhistidine tag at the C-terminus.

The protein has a calculated MW of 78.4 kDa.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

This product is not suitable for cell based experiments due to cytotoxicity of DDM.

DDM and CHS are INDISPENSABLE to keep membrane protein soluble and active, under no circumstance should you remove DDM and CHS.

DDM/CHS buffer (DC-11) is sold separately and not included in protein, and please contact us if you need the buffer.

If glycerol is not compatible to your application, remove glycerol just before immediate experiment, and NEVER store glycerol-free protein solution.

Supplied as 0.2 μm filtered solution in 50 mM HEPES, 150 mM NaCl, DDM, CHS, pH7.5 with glycerol as protectant.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.

Storage

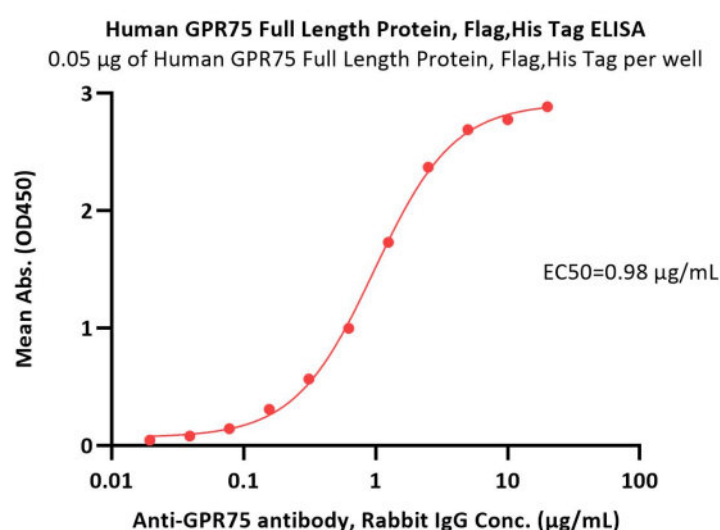
Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

*The DDM/CHS buffer (Cat. No. [DC-11](#)) is sold separately and not included in protein, you can follow [this link](#) for product information.

Bioactivity-ELISA



Immobilized Human GPR75 Full Length Protein, Flag,His Tag (Cat. No. GP5-H52D3) at 0.5 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Anti-

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GPR75 antibody, Rabbit IgG with a linear range of 0.02-2.5 $\mu\text{g/mL}$ (QC tested).

Background

G protein-coupled receptor that is activated by the chemokine CCL5/RANTES. Probably coupled to heterotrimeric Gq proteins, it stimulates inositol trisphosphate production and calcium mobilization upon activation. Together with CCL5/RANTES, may play a role in neuron survival through activation of a downstream signaling pathway involving the PI3, Akt and MAP kinases. CCL5/RANTES may also regulate insulin secretion by pancreatic islet cells through activation of this receptor.

Clinical and Translational Updates

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