

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

Catalog # GP5-H52D3



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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

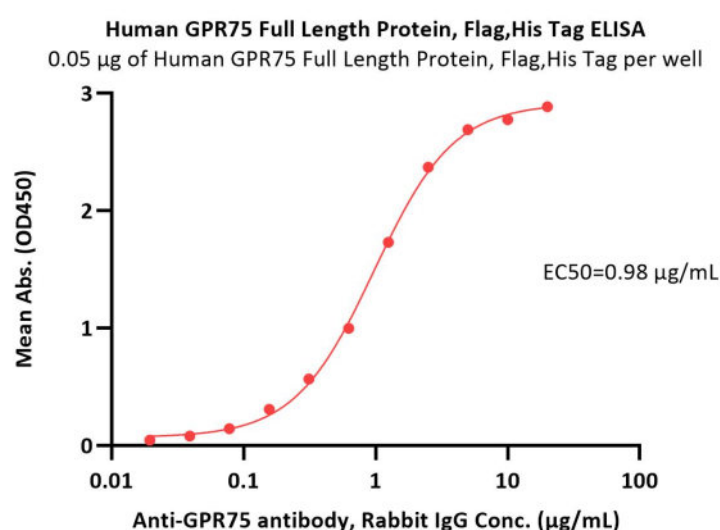
*Please avoid repeated freeze-thaw cycles.*

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 µg/mL (100 µL/well) can bind Anti-

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11/29/2024

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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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