

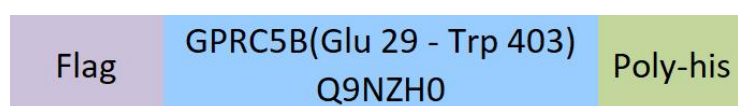
Synonym

RAIG-2, RAIG2

Source

Human GPRC5B Protein, Flag,His Tag(GPB-H52D7) is expressed from human 293 cells (HEK293). It contains AA Glu 29 - Trp 403 (Accession # [Q9NZH0](#)).

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 45.5 kDa. The protein migrates as 42-45 kDa under reducing (R) condition (SDS-PAGE).

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 as sterile liquid solution with dry ice, please inquire the shipping cost.

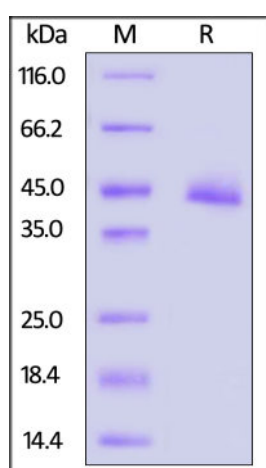
Storage

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

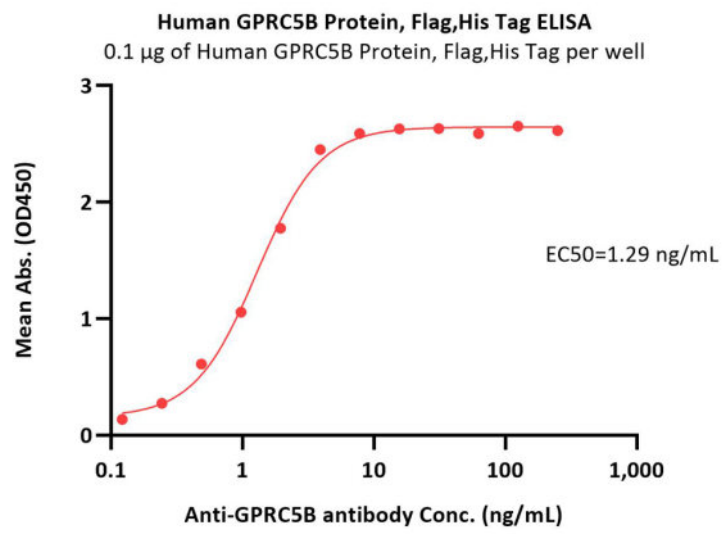
- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

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

SDS-PAGE

Human GPRC5B Protein, Flag,His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA



Immobilized Human GPRC5B Protein, Flag,His Tag (Cat. No. GPB-H52D7) at 1 µg/mL (100 µL/well) can bind Anti-GPRC5B antibody with a linear range of 0.1-4 ng/mL (QC tested).

Background

This gene encodes a member of the type 3 G protein-coupled receptor family. Members of this superfamily are characterized by a signature 7-transmembrane domain motif. The encoded protein may modulate insulin secretion and increased protein expression is associated with type 2 diabetes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.