

Human ADRB2 Protein, Flag,His Tag (Detergent)

Catalog # AD2-H52D3



BIOSYSTEMS
Acro
Surprise Inside!

Synonym

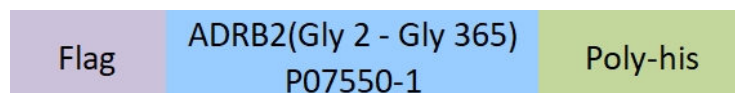
ADRB2,ADRB2R, ADRBR, B2AR, BAR, BETA2AR,adrenoceptor beta 2

Source

Human ADRB2 Protein, Flag,His Tag(AD2-H52D3) is expressed from human 293 cells (HEK293). It contains AA Gly 2 - Gly 365 (Accession # [P07550-1](#)).

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 59.5 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

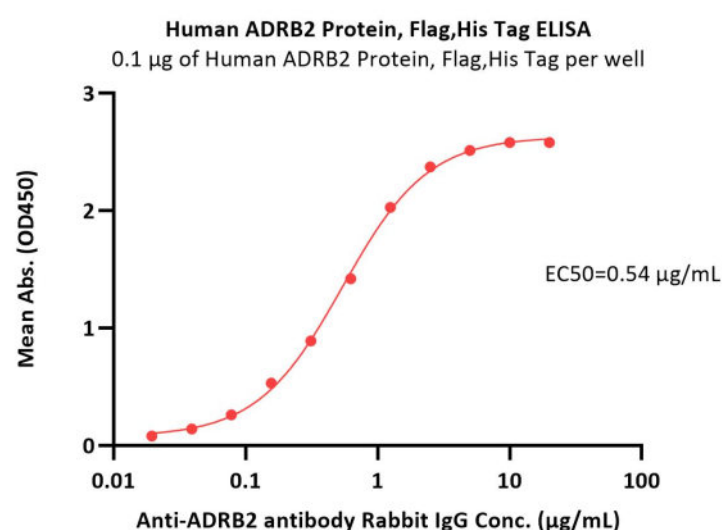
Please avoid repeated freeze-thaw cycles.

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 ADRB2 Protein, Flag,His Tag (Cat. No. AD2-H52D3) at 1 $\mu\text{g/mL}$ (100 μL /well) can bind Anti-ADRB2 antibody Rabbit IgG with a linear range of 0.02-1.25 $\mu\text{g/mL}$ (QC tested).

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Background

This receptor is directly associated with one of its ultimate effectors, the class C L-type calcium channel Ca(V)1.2. This receptor-channel complex also contains a G protein, an adenylyl cyclase, cAMP-dependent kinase, and the counterbalancing phosphatase, PP2A. The assembly of the signaling complex provides a mechanism that ensures specific and rapid signaling by this G protein-coupled receptor. This receptor is also a transcription regulator of the alpha-synuclein gene, and together, both genes are believed to be associated with risk of Parkinson's Disease.

Clinical and Translational Updates

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