

For Research Use Only

Recombinant Mouse Butyrylcholinesterase protein (rFc Tag)



Catalog Number: Eg2899

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
-------------------	-------------------	----------------------------	-----------------

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Mouse Butyrylcholinesterase protein His28-Leu603 (Accession# Q03311) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
12038

Accession:
Q03311

Predicted Molecular Mass:
91.3 kDa

SDS-PAGE:
90-120 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Butyrylcholinesterase (BChE) is an ester hydrolase that hydrolyzes certain short-acting neuromuscular blockers such as succinylcholine and mivacurium chloride. BChE is mainly produced in the liver and distributed throughout all tissues. BChE is associated with lipid metabolism.

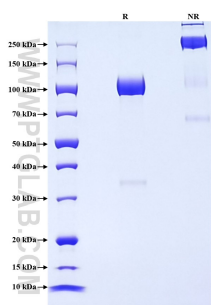
References

- 1.Brimijoin S. et al. (2016) Chem Biol Interact. 259(Pt B):271-275.
- 2.Lins Alves LK. et al. (2022) Chem Biol Interact. 367:110136.
- 3.Gok M. et al. (2023) Biochimie. 204:127-135.
- 4.Zeng J. et al. (2024) Medicine (Baltimore). 103(40):e39976.

Synonyms

Acylcholine acylhydrolase, Bche, Butyrylcholine esterase, Choline esterase II, Cholinesterase

Selected Validation Data



Purity of Recombinant Mouse Butyrylcholinesterase was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.