

For Research Use Only

Recombinant Mouse ENPEP protein (rFc Tag)



Catalog Number: Eg4233

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Mouse ENPEP protein Arg41-Pro945 (Accession# P16406) with a rabbit IgG Fc tag at the N-terminus.

GeneID:

13809

Accession:

P16406

Predicted Molecular Mass:

131.0 kDa

SDS-PAGE:

120-150 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μm 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

Glutamyl aminopeptidase, encoded by ENPEP, is a membrane protein, which can cut the N-terminal aspartic acid of angiotensin II, used to increase blood pressure. In previous studies, ENPEP has been shown to contribute to the development of the immune system. ENPEP has also been associated with tumorigenesis in some cancers, such as breast cancer, leukemia, and renal cancer. ENPEP expression levels have been shown to be a prognostic factor in colorectal cancer, linked to the increased survival of patients.

References

1. Reaux A. et al. (2000). Biochem Soc Trans. 28(4):435-40.
2. Blanco L. et al. (2014). BMC Cancer. 14:386.
3. Haznedaroglu IC. et al. (2016). Eur Rev Med Pharmacol Sci. 20(19):4089-4111.
4. Yuan Y. et al. (2020). Front Oncol. 10:595.

Synonyms

Aminopeptidase A, AP-A, BP-1/6C3 antigen, CD249, EAP

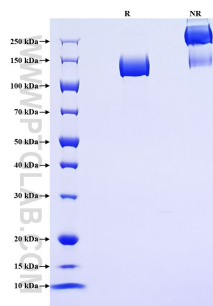
For technical support and original validation data for this product please contact

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Purity of Recombinant Mouse ENPEP 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.