

For Research Use Only

Recombinant Mouse ALPPL2 protein (rFc Tag)



Catalog Number: Eg2961

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 ALPPL2 protein Val19-Ser502 (Accession# P24823) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

11650

Accession:

P24823

Predicted Molecular Mass:

78.6 kDa

SDS-PAGE:

75-85 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

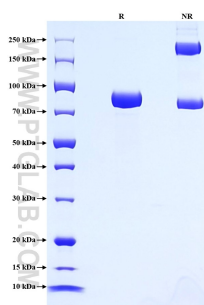
Akp5, also known as mouse alkaline phosphatase (embryonic type), is an alkaline phosphatase isoenzyme found in mice. The predicted molecular weight of AKP 5 mouse protein is 53.64 kDa, but due to glycosylation, it migrates to 55-70 kDa in SDS-PAGE results. Clinical determination of Akp5 mouse is mainly used for the diagnosis and differential diagnosis of bone and hepatobiliary diseases, especially for the differential diagnosis of jaundice. For the unexplained high serum level of Akp5 mouse, isoenzymes can be determined to help clarify its organ source. Pathological changes: Akp5 mouse will change under various pathological conditions, such as bone diseases, hepatobiliary diseases and so on.

References

1. Lei W, et al. (2013). Reproduction. 146(5):419-32.
2. Narisawa S, et al. (2007). Am J Physiol Gastrointest Liver Physiol. 293(5):G1068-77.
3. Ardecky RJ, et al. (2014). Bioorg Med Chem Lett. 24(3):1000-1004.

Synonyms

Selected Validation Data



Purity of Recombinant Mouse ALPPL2 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

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