

Recombinant Rat Mapt protein, His & T7-tagged

Cat. No. Mapt-2062R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Mapt aa. (Ala34~Ser368 (Accession # P19332)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Ala34~Ser368
Form	Freeze-dried powder
Molecular Mass	48kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 9.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the

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Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Storage Buffer

Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Reconstitution

Reconstitute in ddH₂O.

GENE INFORMATION

Gene Name

[Mapt microtubule-associated protein tau \[Rattus norvegicus \(Norway rat\) \]](#)

Official Symbol

[Mapt](#)

Synonyms

Acox2; acyl-CoA oxidase 2; THCCox; peroxisomal acyl-coenzyme A oxidase 2; 3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanoyl-CoA 24-hydroxylase; 3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanoyl-CoA oxidase; THCA-CoA oxidase; acyl-CoA oxidase 2, branched chain; acyl-Coenzyme A oxidase 2, branched chain; trihydroxycoprostanoyl-CoA oxidase

Gene ID

[29477](#)

mRNA Refseq

[NM_017212.2](#)

Protein Refseq

[NP_058908.2](#)

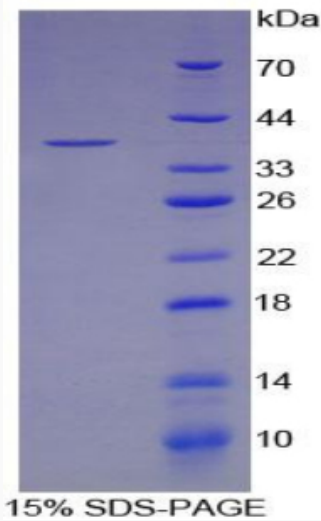
UniProt ID

[P19332](#)

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SDS-PAGE

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