

Recombinant Rat Maob Protein, His-tagged

Cat. No. Maob-1757R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Maob Protein (Gln206-Thr505) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Gln206-Thr505
Description	Enables flavin adenine dinucleotide binding activity; identical protein binding activity; and primary amine oxidase activity. Involved in several processes, including negative regulation of serotonin secretion; positive regulation of dopamine metabolic process; and response to corticosterone. Located in mitochondrial outer membrane. Biomarker of Parkinson's disease and cholestasis. Human ortholog(s) of this gene implicated in Alzheimer's disease and Parkinson's disease. Orthologous to human MAOB (monoamine oxidase B).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 37.6 kDa Accurate Molecular Mass: 38 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

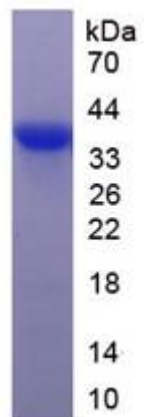
GENE INFORMATION

Gene Name	Maob monoamine oxidase B [Rattus norvegicus (Norway rat)]
Official Symbol	Maob
Synonyms	MAOB; monoamine oxidase B; amine oxidase [flavin-containing] B; MAO-B; monoamine oxidase-B; monoamine oxidase type B;
Gene ID	25750
mRNA Refseq	NM_013198
Protein Refseq	NP_037330
UniProt ID	P19643

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