

## Recombinant Rat Maob Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Maob Protein (Gln206-Thr505) with N-His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gln206-Thr505
<b>Description</b>	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).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 37.6 kDa Accurate Molecular Mass: 38 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

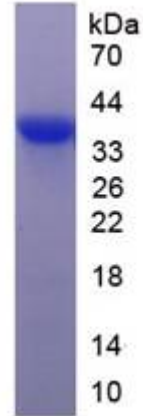
## GENE INFORMATION

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

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