Recombinant Human MAOA Protein, Full Length, N-FLAG tagged

Cat. No. MAOA-11H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant MAOA (accession number NP_000231.1) was expressed in Sf9 cells and contains an N-terminal FLAG-Tag.
Species	Human
Source	Insect cells
ProteinLength	Full Length
Description	This gene is one of two neighboring gene family members that encode mitochondrial enzymes which catalyze the oxidative deamination of amines, such as dopamine, norepinephrine, and serotonin. Mutation of this gene results in Brunner syndrome. This gene has also been associated with a variety of other psychiatric disorders, including antisocial behavior. Alternatively spliced transcript variants encoding multiple isoforms have been observed.
Molecular Mass	60.7 kDa
Purity	> 80% pure by SDS-PAGE
Applications	Recombinant MAOA is suitable for use in the study of enzyme kinetics, inhibitor screening, and selectivity profiling. Monoamine Oxidase Assay: 40 μM substrate was incubated with MAOA protein in reaction buffer for 1 hour at room temperature, then the product was incubated with

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	Detection Reagent for 0.5 hour at temperature. The activity of MAOA was detected by Promega MAO-Glo Assay.
Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 centigrade to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
GeneID	4128

GENE INFORMATION

Gene Name	MAOA monoamine oxidase A [Homo sapiens (human)]
Official Symbol	MAOA
Synonyms	MAOA; monoamine oxidase A; BRNRS; MAO-A; amine oxidase [flavin-containing] A; monoamine oxidase type A; EC 1.4.3.21; EC 1.4.3.4
mRNA Refseq	NM_000240
Protein Refseq	NP_000231
MIM	309850
UniProt ID	P21397

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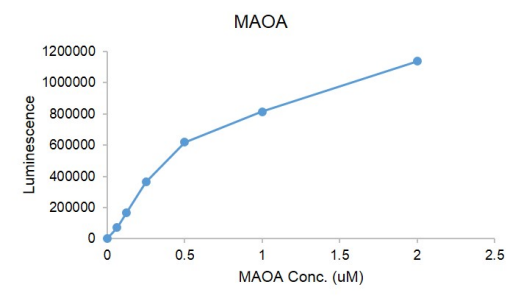
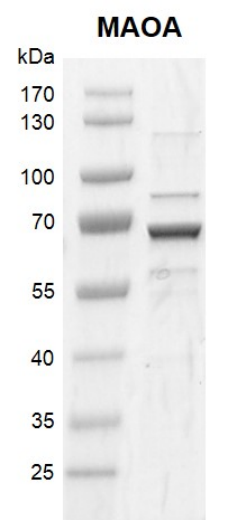
Activity	
SDS-PAGE	

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