

Active Recombinant Human MAOA protein, His-tagged

Cat. No. MAOA-0378H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAOA protein(Glu2-Ser527), fused with His tag, was expressed in Baculovirus-Insect.
Species	Human
Source	Insect Cells
ProteinLength	2-527 a.a.
Form	Supplied as 0.2 µm filtered solution in 50 mM HEPES, 150 mM NaCl, DDM, CHS, pH7.5 with glycerol as protectant.
Bio-activity	BioactivityMeasured by its ability to produce hydrogen peroxide during the oxidation of Tyramine. The specific activity is >300 pmol/min/ug, as measured under the described conditions(QC tested).
Molecular Mass	This protein carries a polyhistidine tag at the N-terminusThe protein has a calculated MW of 61.6 kDa. The protein migrates as 60 kDa under reducing (R) condition (SDS-PAGE).
Proteinlength	Glu2-Ser527
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Storage For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name MAOA monoamine oxidase A [Homo sapiens]

Official Symbol MAOA

Synonyms MAOA; monoamine oxidase A; amine oxidase [flavin-containing] A; MAO-A; monoamine oxidase type A;

Gene ID 4128

mRNA Refseq NM_000240

Protein Refseq NP_000231

UniProt ID P21397

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