

Recombinant Human MAOA Protein, His-tagged

Cat. No. MAOA-33H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAOA Protein (1-497 aa) is produced by E. coli expression system. This protein is fused with a His tag.
Species	Human
Source	E.coli
ProteinLength	1-497 aa
Description	MAOA, also known as Amine oxidase [flavin-containing] A. This protein catalyzes the oxidative deamination of biogenic and xenobiotic amines and has important functions in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues. MAOA preferentially oxidizes biogenic amines such as 5-hydroxytryptamine (5-HT), norepinephrine and epinephrine. Recombinant human MAOA, fused to His-tag at N-terminus, was expressed in E. coli.
Form	Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol
Molecular Mass	58.8kDa (520aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMENQEKA SIAGHMFVGV VIGGGISGLS AAKLLTEYGV SVLVLEARDR VGGRTYTIRN EHVDYVDVGG AYVGPTQNR LRLSKELGIE TYKVNVSERL VQYVKGKTYP FRGAFFPVWN PIAYLDYNNL WRTIDNMGKE IPTDAPWEAQ HADKWDKMTM KELIDKICWT KTARRFAYLF VNINVTSEPH EVSALWFLWY VKQCGGTTRI FSVTNGGQERKFVGGSGQVS

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ERIMDLLGDQ VKLNHPVTHV DQSSDNIIIE TLNHEHYECK YVINAIPPTL
 TAKIHRPEL PAERNQLIQR LPMGAVIKCM MYYKEAFWKK KDYCGCMIIE
 DEDAPISITLDDTKPDGSLP AIMGFILARK ADRLAKLHKE IRKKKICELY
 AKVLGSQEAL HPVHYEEKNW CEEQYSGGCY TAYFPPGIMT QYGRVIRQPV
 GRIFFAGTET ATKWSGYMEG AVEAGERAAREVLNGLGKVT EKDIWVQEPE
 SKDVPAVEIT HTFWERNLPS

Purity > 80% by SDS - PAGE

Notes For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Storage Can be stored at +2 centigrade to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 centigrade to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name MAOA monoamine oxidase A [Homo sapiens]

Official Symbol MAOA

Synonyms MAOA; monoamine oxidase A; MAO-A;

Gene ID 4128

mRNA Refseq NM_000240

Protein Refseq NP_000231

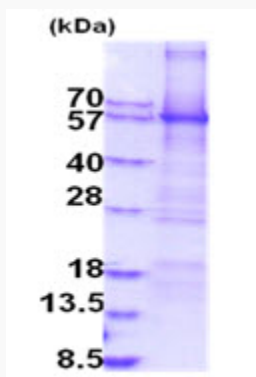
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UniProt ID

P21397



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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