

Product datasheet for AR51841PU-S

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Amine Oxidase A / MAOA (1-497, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: Amine Oxidase A / MAOA (1-497, His-tag) human recombinant protein, 0.1 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSMENQEKA SIAGHMFDVV VIGGGISGLS AAKLLTEYGV

SVLVLEARDR VGGRTYTIRN EHVDYVDVGG AYVGPTQNRI LRLSKELGIE TYKVNVSERL

VQYVKGKTYP FRGAFPPVWN PIAYLDYNNL WRTIDNMGKE IPTDAPWEAQ HADKWDKMTM KELIDKICWT KTARRFAYLF VNINVTSEPH EVSALWFLWY VKQCGGTTRI FSVTNGGQER

RELIDRICWT KTARRFATEF VININVISEFTI EVSALWFLWT VRQCGGTTRI FSVTNGGQER

KFVGGSGQVS ERIMDLLGDQ VKLNHPVTHV DQSSDNIIIE TLNHEHYECK YVINAIPPTL TAKIHFRPEL

PAERNQLIQR LPMGAVIKCM MYYKEAFWKK KDYCGCMIIE DEDAPISITL DDTKPDGSLP AIMGFILARK ADRLAKLHKE IRKKKICELY AKVLGSQEAL HPVHYEEKNW CEEQYSGGCY TAYFPPGIMT QYGRVIRQPV GRIFFAGTET ATKWSGYMEG AVEAGERAAR EVLNGLGKVT

EKDIWVQEPE SKDVPAVEIT HTFWERNLPS

Tag: His-tag

Predicted MW: 58.8 kDa

Concentration: lot specific

Purity: >80% by SDS - PAGE

Buffer: Presentation State: This purified protein is available in a denatured form, making it less

suitable for functional studies. Denatured proteins are better suited for applications like

Western Blot (WB) or imaging assays.

State: Liquid purified protein

Buffer System: Liquid, In 20 mM Tris-HCl (pH 8.0) containing 10% glycerol

Preparation: Liquid purified protein

Protein Description: Recombinant human MAOA, fused to His-tag at N-terminus, was expressed in E.coli.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 000231

Locus ID: 4128



Amine Oxidase A / MAOA (1-497, His-tag) Human Protein - AR51841PU-S

UniProt ID: <u>P21397</u>

Cytogenetics: Xp11.3

Synonyms: Amine oxidase (flavin-containing) A, monoamine oxidase A

Summary: 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. [provided by RefSeq, Jul 2012]

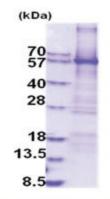
Protein Families: Druggable Genome

Protein Pathways: Arginine and proline metabolism, Drug metabolism - cytochrome P450, Glycine, serine and

threonine metabolism, Histidine metabolism, Metabolic pathways, Phenylalanine metabolism,

Tryptophan metabolism, Tyrosine metabolism

Product images:



15% SDS-PAGE (3ug)