

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

Alternate names:	Amine oxidase (flavin-containing) A, monoamine oxidase A
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	P21397
NCBI:	NP_000231
GeneID:	4128
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >80% by SDS - PAGE Buffer System: Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol.
Description:	Recombinant human MAOA, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMEQEK A SIAGHMFV V VIGGGISGLS AAKLLTEYGV SVLVLEARDR VGGRTYTIRN EHVYVDVGG AYVGPTQNR I LRSLKELGIE TYKVNVSERL VQYVKGKTY P FRGAFPPVWN PIAYLDYNNL WRTIDNMGKE IPTDAPWEAQ HADKWDKMTM KELIDKICWT KTARRFAYLF VNINVTSEPH EVSALWFLWY VKQCGGTTRI FSVTNGGQER KFGVGGSGQVS ERIMDLLGDQ VKLNHPVTHV DQSSDNIIIE TLNHEHYECK YVINAIPTL TAKIHFRPEL PAERNQLIQR LPMGAVIKCM MYYKEAFWKK KDYCGCMIIE DEDAPISITL DDTKPDGSLP AIMGFILARK ADRLAKLHKE IRKKKICELY AKVLGSQEAL HPVHYEEKNW CEEQYSGGCY TAYFPPGIMT QYGRVIRQPV GRIFFAGTET ATKWSGYMEG AVEAGEREAR EVLNGLGKVT EKDIWVQEPE SKDVPVEIT HTFWERNLPS Molecular weight: 58.8 kDa (520aa)
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. Shelf life: one year from despatch.
General Readings:	Hsu Y.-P.P., et al. (1988) J. Neurochem. 51:1321-1324

Pictures:

