

MAOA, 1-497aa, Human, His tag, E.coli

Cat.NO.: TP02892

3th Edition

Synonyms: Amine oxidase [flavin-containing] A isoform 1, MAO-A

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 Weight: 58.8kDa (520aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMENQEKASIAGHMFVDDVIGGGISGLSAAKLLTEYGVSVLVLEARDRVGGRT
YTIRNEHVDYVDVGGAYVGPTQNRILRLSKELGIETYKVVNSERLVQYVKGKTYPFGRGAFPPVWNPIAYLDYNNLW
RTIDNMGKEIPTDAPWEAQHADKWDKMTMKELIDKICWTKTARRFAYLFVNINVTSEPHVSALWFLWYVKQCGGT
TRIFSVTNGGQERKFVGGSGQVSRIMDLLGDQVKNHPVTHVDQSSDNIIIETLNHEHYECKYVINAIPTLTAKIHF
RPELPAERNQLIQRLPMGAVIKCMMYYKEAFWKKKDYCGCMIEDEDAPISITLDDTKPDGSLPAIMGFILARKADRL
AKLHKEIRKKKICELYAKVLGSQEALHPVHYEENWCEEQYSGGCYTAYFPPGIMTQYGRVIRQPVGRIFAGTETA
TKWSGYMEGAVEAGERAAREVLNGLGKVTEKDIWVQEPESKDVPVEITHTFWERNLPS

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.