

Monoamine Oxidase A Recombinant Protein | MAOA recombinant protein

Recombinant Human Monoamine Oxidase A

CATALOG #
AAA38032HOST
E Coli

PRODUCT SYNONYMS

Monoamine Oxidase A; Recombinant Human Monoamine Oxidase A; Monoamine Oxidase Type A; EC 1.4.3.4; MAO-A; Amine Oxidase [Flavin-Containing] A; EC 1.4.3; Amine oxidase [flavin-containing] A; Monoamine oxidase type A.; MAOA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 80% as determined by SDS-PAGE.
Form/Format	MAOA protein solution (0.5mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMGS MENQEKASIA GHMFDVVVIG GGISGLSAK LLTEYGVSVL VLEARDRVGG RTYTIRNEHV DYVDVGGAYV GPTQNRILRL SKELGIETYK VNVSERLVQY VKGKTYPFER AFPPVWNPIA YLDYNNLWRT IDNMGKEIPT DAPWEAQHAD KWDKMTMKEL IDKICWTKTA RRFAYL FVNI NVTSEPHEVS ALWFLWYVKQ CGGTTRIFSV TNGGQERKFV GGSGQVSERI MDLLGDQVKL NHPVTHVDQS SDNIIETLN HEHYECKYVI NAIPPTLTAK IHRPELP AE RNQLIQLPM GAVIKCMMYY KEAFWKKKDY CGCMIEDED APISITLDDT KPDGSLPAIM GFILARKADR LAKLHKEIRK KKICELYAKV LGSQEALHPV HYEKNWCEE QYSGGCYTAY FPPGIMTQYG RVIRQPVGRI FFAGTETATK WSGYMEGAVE AGERAAREVL NGLGKVTEKD IWWQEPESKD VPAVEITHTF WERNLPS
Sequence Length	527
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for MAOA recombinant protein	Introduction: Monoamine Oxidase A, also known as MAOA catalyzes the oxidative deamination of biogenic as well as xenobiotic amines and has significant functions in the metabolism of neuroactive and vasoactive amines in the central nervous system as well as peripheral tissues. Mutation in MAOA results in Brunner syndrome; in addition MAOA has also been linked with a diversity of other psychiatric disorders, which includes antisocial behavior. MAOA preferentially oxidizes biogenic amines such as 5-hydroxytryptamine (5-HT), norepinephrine and also epinephrine. Description: MAOA Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 520 amino acids (1-497 a.a) and having a molecular mass of 58.8kDa. MAOA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Product Categories/Family for MAOA recombinant protein	Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557735
NCBI GeneID	4128
NCBI Accession #	NP_000231.1

NCBI GenBank Nucleotide #	NM_000240.3
UniProt Accession #	P21397 ; Q16426 ; B4DF46
Molecular Weight	44,848 Da
NCBI Official Full Name	amine oxidase
NCBI Official Synonym Full Names	monoamine oxidase A
NCBI Official Symbol	MAOA
NCBI Official Synonym Symbols	MAO-A
NCBI Protein Information	amine oxidase [flavin-containing] A
UniProt Protein Name	Amine oxidase [flavin-containing] A
UniProt Gene Name	MAOA
UniProt Synonym Gene Names	MAO-A
UniProt Entry Name	AOFA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/maoa-recombinant-protein-e-coli/38032>