

Monoamine Oxidase B Recombinant Protein | MAO-B recombinant protein

Recombinant Human Monoamine Oxidase B

CATALOG # AAA38685	HOST E Coli
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PRODUCT SYNONYMS

Monoamine Oxidase B; Recombinant Human Monoamine Oxidase B; MAO B Human; Monoamine Oxidase B Human Recombinant; Amine oxidase [flavin-containing] B; Monoamine oxidase type B; MAO-B; MAOB; MGC26382; MAO-B recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	MAO-B protein is supplied in 20mM Tris-HCl, pH 8.0, 250mM NaCl, 1mM EDTA and 50% glycerol. Sterile Filtered clear solution.
Sequence Length	520
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. Please avoid freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for MAO-B recombinant protein	Description: MAO-B Human Recombinant produced in E Coli is single, a non-glycosylated, Polypeptide chain containing 488 amino acids fragment (2-489) corresponding to the cytoplasmic domain fragment of the mature protein, having a total molecular mass of 59.84kDa and fused with a 4.5kDa amino-terminal hexahistidine tag. The MAO-B is purified by proprietary chromatographic techniques. Introduction: MAO-B is a member of the flavin monoamine oxidase family. MAO-B (Monoamine oxidase B) is a flavin-containing mitochondrial enzyme that catalyzes the oxidative deamination of biogenic and xenobiotic monoamines. MAO-B controls the metabolic degradation of catecholamines and serotonin in neural and other target tissues. MAO-B is located in platelets and in dopamine-secreting neurons in the brain. MAOB and MAOA genes have an imperative function in dopamine degradation. Benzylamine and phenylethylamine are preferentially degraded by MAOB. The MAOB gene is linked to autistic traits, empathy and Asperger syndrome. Amplified levels of MAO B are identified in the brain of Alzheimer's patients. High phenylethylamine levels in neonates as a result of low MAOB are consistent with phenylketonuria in newborns. Polymorphisms in MAO-B are connected to smoking behavior.
Product Categories/Family for MAO-B recombinant protein	Enzymes; Oxidase

NCBI AND UNIPROT INFORMATION

NCBI GI #	38202207
NCBI GeneID	4129
NCBI Accession #	NP_000889.3
NCBI GenBank Nucleotide #	NM_000898.4
UniProt Accession #	P27338; Q7Z6S2; B2R6R3; B7Z5H3; D3DWC3
Molecular Weight	46,539 Da

NCBI Official Full Name	amine oxidase
NCBI Official Synonym Full Names	monoamine oxidase B
NCBI Official Symbol	MAOB
NCBI Protein Information	amine oxidase [flavin-containing] B; amine oxidase [flavin-containing] B; MAO, brain; MAO, platelet; MAO-B; adrenalin oxidase; monoamine oxidase type B; tyramine oxidase
UniProt Protein Name	Amine oxidase [flavin-containing] B
UniProt Gene Name	MAOB
UniProt Synonym Gene Names	MAO-B
UniProt Entry Name	AOFB_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.

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Online datasheet: <https://stage.aaabiotech.com/maob-recombinant-protein-e-coli/38685>