

Product Information

MemDX™ Membrane Protein Human MAOB (Monoamine oxidase B) Full Length

Cat. No.: **MPC1864K**

This product is for research use only and is not intended for diagnostic use.

This product is a 58.7 kDa Human MAOB membrane protein expressed in *Komagataella pastoris*. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

MAOB

Protein Length

Full length

Protein Class

Oxidoreductase

Molecular Weight

58.7 kDa

TMD

1

Sequence

MSNKCDVVVVGGGISGMAAAKLLHDSGLNVVVLEARDRVGGRTYTLRNQK
VKYVDLGGSYVGPTQNRILRLAKELGLETYKVNEVERLIHHVKGKSYPPFR
GPFPPVWNPITYLDHNNFWRTMDDMGREIPSDAPWKAPLAEEDNMTMKE
LLDKLCWTESAKQLATLFVNLCVTAETHEVSALWFLWYVKQCGGTTRIIS
TTNGGQERKFVGGSGQVSERIMDLLGDRVKLERPVIYIDQTRENVLVETL
NHEMYEAKYVISAIPPTLGMKIHFNPLPMMRNQMITRVPLGSVIKCIVY
YKEPFWRKDYCGTMIIDGEEAPVAYTLDDTKPEGNYAAIMGFILAHKAR
KLARLTKEERLKKLCELYAKVLGSLEALEP VH YEEKNWCEEQYSGGCYTT
YFPPGILTQYGRVLRQPVDRIYFAGTETATHWSGYMEGAVEAGERAAREI
LHAMGKIPEDIWQSEPESVDVPAQPITTTFLERHLPSPGLLRLLGLTT
IFSATALGFLAHKRGLLV RV

Product Description

Expression Systems

Komagataella pastoris

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

MAOB

Full Name

Monoamine oxidase B

Introduction

The protein encoded by this gene belongs to the flavin monoamine oxidase family. It is a enzyme located in the mitochondrial outer membrane. It catalyzes the oxidative deamination of biogenic and xenobiotic amines and plays an important role in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues. This protein preferentially degrades benzylamine and phenylethylamine.

Alternative Names

MAOB; amine oxidase [flavin-containing] B; MAO, brain; MAO, platelet; MAO-B; adrenalin oxidase; monoamine oxidase type B; tyramine oxidase; Monoamine oxidase B

Gene ID

[4129](#)

UniProt ID

[P27338](#)