

Product Information

MemDX™ Membrane Protein Human MAOA (Monoamine oxidase A) Full Length

Cat. No.: **MPC1728K**

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

This product is a 59.6 kDa Human MAOA 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

MAOA

Protein Length

Full length

Protein Class

Oxidoreductase

Molecular Weight

59.6 kDa

TMD

1

Sequence

MENQEKASIAGHMFVVDVGGISGLSAAKLLTEYGVSVLVLEARDRVGG
RTYTIRNEHVDYVDVGGAYVGPTQNRILRLSKELGIETYKVNVSERLVQY
VKGKTYPFRTGAFPPVWNPIAYLDYNNLWRTIDNMGKEIPTDAPWEAQHAD
KWDKMTMKELIDKICWTKTARRFAYLFVNINVTSEPHEVSALWFLWYVKQ
CGGTTRIFSVTNGGQERKFVGGSGQVSERIMDLLGDQVKLNHPVTHVDQS
SDNIIETLNHEHYECKYVINAIPPTLTAKIHFRPELPAERNQLIQRLPM
GAVIKCMMYYKEAFWKKKDYCGCMIIEDEDAPISITLDDTKPDGSLPAIM
GFILARKADRLAKLHKEIRKKKICELYAKVLGSQEALHPVHYEKNWCEE
QYSGGCYTAYFPPGIMTQYGRVIRQPVGRIFAGTETATKWSGYMEGAVE
AGERAAREVLNGLGKVTEKDIWVQEPESKDVPAVEITHTFWERNLPSVSG
LLKIIGFSTSVTALGFVLYKYKLLPRS

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 -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

MAOA

Full Name

Monoamine oxidase A

Introduction

This gene is one of two neighboring gene family members that encode mitochondrial enzymes which catalyze the oxidative deamination of amines, such as dopamine, norepinephrine, and serotonin. Mutation of this gene results in Brunner syndrome. This gene has also been associated with a variety of other psychiatric disorders, including antisocial behavior. Alternatively spliced transcript variants encoding multiple isoforms have been observed.

Alternative Names

MAOA; BRNRS; MAO-A; amine oxidase [flavin-containing] A; monoamine oxidase type A; Monoamine oxidase A

Gene ID

[4128](#)

UniProt ID

[P21397](#)