

Product Information

MemDX™ Membrane Protein Human KMO (Kynurenine 3-monooxygenase) Expressed in Baculovirus/Insect expression system for Antibody Discovery, Partial (2-441aa)

Cat. No.: **MPX0513K**

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

This product is a 51 kDa Human KMO membrane protein expressed in Baculovirus/Insect expression system. 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

KMO

Protein Length

Partial (2-441aa)

Protein Class

Oxidoreductase

Molecular Weight

51 kDa

TMD

1

Sequence

DSSVIQRKKVAVIGGGLVGSLQACFLAKRNFQIDVYEAREDTRVATFTR
GRSINLALSHRGRQALKAVGLEDQIVSQGIPMRARMIHSLSGKKSAIPYG
TKSQYILSVSRENLNKDLLTAAEKYPNVKMHFNHLLKCNPEEGMITVLG
SDKVPKDVTCDLIVGCDGAYSTVRSHLMKKPRFDYSQQYIPHYGMELTIP
PKNGDYAMEPNYLHIWPRNTFMMIALPNMNKSFTCTLFMPFEEFEKLLTS
NDVVDFFQKYFPDAIPLIGEKLQVDFLLPAQPMISVKCSSFHFKSHCV
LLGDAAHAIVPFFGQGMNAGFEDCLVFDELMDKFSNDLSLCLPVFSRLRI
PDDHAISDLSMYNYIEMRAHVNSSWFIFQKNMERFLHAIMPSTFIPLYTM
VTFSRIRYHEAVQRWHWQKKVINKGLFLLGSLIAISSTYLL

Product Description

Activity

Yes

Expression Systems

Baculovirus/Insect expression system

Tag

6xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid

Endotoxin

<1.0 EU per 1 µg of the protein by the LAL method.

Purity

>80%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane

Buffer

Supplied as a 0.2 µm filtered solution in Tris, NaCl and Brij-35.

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**

KMO

Full Name

Kynurenine 3-monooxygenase

Introduction

This gene encodes a mitochondrion outer membrane protein that catalyzes the hydroxylation of L-tryptophan metabolite, L-kynurenine, to form L-3-hydroxykynurenine. Studies in yeast identified this gene as a therapeutic target for Huntington disease.

Alternative Names

KMO; dJ317G22.1; kynurenine 3-hydroxylase; Kynurenine 3-monooxygenase

Gene ID

[8564](#)

UniProt ID

[O15229](#)