

Product Information

MemDX™ Membrane Protein Human KMO (Kynurenine 3-monooxygenase) Full Length

Cat. No.: **MPC3000K**

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

This product is a made-to-order Human KMO membrane protein expressed in HEK293. 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

Full length

Protein Class

Oxidoreductase

TMD

1

Sequence

MDSSVIQRKKVAVIGGGLVGSLQACFLAKRNFQIDVYEAREDTRVATFTR
GRSINLALSHRGRQALKAVGLEDQIVSQGIPMRARMIHSLSGKKSAIPYG
TKSQYILSVSRENLNKDLLTAAEKYPNVKMHFNHRLKCNPEEGMITVLG
SDKVPKDVTCDLIVGCDGAYSTVRSHLMKKPRFDYSQQYIPHYGMELTIP
PKNGDYAMEPNYLHIWPRNTFMMIALPNMNKSFTCTLFMPFEEFEKLLTS
NDVVDFFQKYFPDAIPLIGEKLQVDFLLPAQPMISVKCSSFHFKSHCV
LLGDAAHAIVPFFGQGMNAGFEDCLVFDELMDKFSNDLSLCLPVFSRLRI
PDDHAISDLSMYNIEMRAHVNSSWFIFQKNMERFLHAIMPSTFIPLYTM
VTFSRIRYHEAVQRWHWQKKVINKGLFFLGSLIAISSTYLLIHYMSPRSF
LRLRRPWNWIAHFRNTTCFPAKAVIDSLEQISNLSR

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

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**

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](#)