

Product Information

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

Cat. No.: **MP0020F**

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

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

Enzyme

Molecular Weight

55.8 kDa

TMD

1

Sequence

MDSSVIQRKKVAVIGGGLVGSLLQACFLAKRNFQIDVYEAREDTRVATFTRGRSINLALSH
RGRQALKAVGLEDQIVSQGIPMRARMIHSLSGKSAIPYGTQSQYILSVSRENLNKDLLT
AAEKYPNVKMHFNHRLKCNPEEGMITVLGSDKVPKDVTCDLIVGCDGAYSTVRSHLMKK
PRFDYSQQYIPHYGMELTIPPKNGDYAMEPNYLHIWPRNTFMMIALPNMNKSFTCTLFMP
FEEFEKLLTSNDVVDFFQKYFPDAIPLIGEKLQVQDFLLPAQPMISVKCSSFHFKSHCV
LLGDAAHAIVPFFGQGMNAGFEDCLVFDELMDKFSNDLSLCLPVFSRLRIPDDHAISDLS
MYNYIEMRAHVNSSWFIFQKNMERFLHAIMPSTFIPLYTMVTFSRIRYHEAVQRWHWQKK
VINKGLFLLGLSLIAISSYLLIHYMSPRSFLRLRRPWNWIAHFRNTTCFPAKAVDSLEQI
SNLISR

Product Description

Activity

Yes

Application

Screening & display technologies, Antibody development, Structural Biology

Expression Systems

Cell-free expression system

Tag

No affinity Tag on the protein and N-terminal His Tag

Protein Format

Proteoliposome

Form

Powder

Purification

Sucrose gradient

Purity

>70% by SDS-Page and Coomassie Blue staining

Buffer

Tris 50mM, pH 7.5

Storage

Store at +4°C for up to one week or several months at -80°C

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

dJ317G22.1

Gene ID

[8564](#)

UniProt ID

[O15229](#)