Datasheet for ABIN5713590

KMO Protein (AA 1-486, full length) (His tag)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	KMO
Protein Characteristics:	AA 1-486, full length
Origin:	Human
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This KMO protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MDSSVIQRKK VAVIGGGLVG SLQACFLAKR NFQIDVYEAR EDTRVATFTR GRSINLALSH RGRQALKAVG LEDQIVSQGI PMRARMIHSL SGKKSAIPYG TKSQYILSVS RENLNKDLLT AAEKYPNVKM HFNHRLLKCN PEEGMITVLG SDKVPKDVTC DLIVGCDGAY STVRSHLMKK PRFDYSQQYI PHGYMELTIP PKNGDYAMEP NYLHIWPRNT FMMIALPNMN KSFTCTLFMP FEEFEKLLTS NDVVDFFQKY FPDAIPLIGE KLLVQDFFLL PAQPMISVKC SSFHFKSHCV LLGDAAHAIV PFFGQGMNAG FEDCLVFDEL MDKFSNDLSL CLPVFSRLRI PDDHAISDLS MYNYIEMRAH VNSSWFIFQK NMERFLHAIM PSTFIPLYTM VTFSRIRYHE AVQRWHWQKK VINKGLFFLG SLIAISSTYL LIHYMSPRSF LRLRRPWNWI AHFRNTTCFP AKAVDSLEQI SNLISR
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

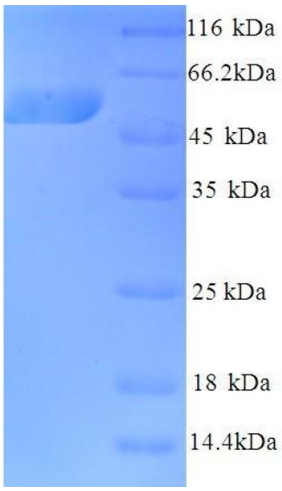
Target:	KMO
Alternative Name:	KMO (KMO Products)
Background:	Catalyzes the hydroxylation of L-kynurenine (L-Kyn) to form 3-hydroxy-L-kynurenine (L-3OHKyn). Required for synthesis of quinolinic acid, a neurotoxic NMDA receptor antagonist and potential endogenous inhibitor of NMDA receptor signaling in axonal targeting, synaptogenesis and apoptosis during brain development. Quinolinic acid may also affect NMDA receptor signaling in pancreatic beta cells, osteoblasts, myocardial cells, and the gastrointestinal tract.
Molecular Weight:	57.8 kDa
UniProt:	O15229

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.