

Datasheet for ABIN7554368
KMO Protein (AA 1-486) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	KMO
Protein Characteristics:	AA 1-486
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KMO protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KMO Protein expressed in mammalian cells.
Sequence:	<p>MDSSVIQRKK VAVIGGGLVG SLQACFLAKR NFQIDVYEAR EDTRVATFTR GRSINLALSH RGRQALKAVG LEDQIVSQGI PMRARMHSL SGKKSAPYG TKSQYILSVS RENLNKDLLT AAEKYPNVKM HFNHRLKCN PEEGMITVLG SDKVPKDVTC DLIVGCDGAY STVRSHLMKK PRFDYSQQYI PHGYMELTIP PKNGDYAMEP NYLHIWPRNT FMMIALPNMN KSFTCTLFMP FEEFEKLLTS NDVVDFFQKY FPDALPLIGE KLLVQDFFLL PAQPMISVKC SSFHFKSHCV LLGDAHAIV PFFGQGMNAG FEDCLVFDEL MDKFSNDLSL CLPVFSRLRI PDDHAISDLS MNYIEMRAH VNSSWFIFQK NMERFLHAIM PSTFIPLYTM VTFSRIRYHE AVQRWHWQKK VINKGLFFLG SLIAISSTYL LIHYMSPRSF LRLRRPWNWI AHFRNTTCFP AKAVDSLEQI SNLISR</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

isoform, please contact us regarding an individual offer.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

KMO

Alternative Name:

KMO ([KMO Products](#))

Background:

Kynurenine 3-monooxygenase (EC 1.14.13.9) (Kynurenine 3-hydroxylase),FUNCTION: Catalyzes the hydroxylation of L-kynurenine (L-Kyn) to form 3-hydroxy-L-kynurenine (L-3OHKyn) (PubMed:29429898, PubMed:23575632, PubMed:26752518, PubMed:28604669, PubMed:29208702). 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 (Probable). {ECO:0000269|PubMed:23575632, ECO:0000269|PubMed:26752518, ECO:0000269|PubMed:28604669, ECO:0000269|PubMed:29208702, ECO:0000269|PubMed:29429898, ECO:0000305|PubMed:12402501}.

Molecular Weight:

55.8 kDa

Target Details

UniProt: [O15229](#)

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months