

Kynurenine 3-monooxygenase Recombinant Protein | Kmo recombinant protein

Recombinant Rat Kynurenine 3-monooxygenase

CATALOG # AAA115002	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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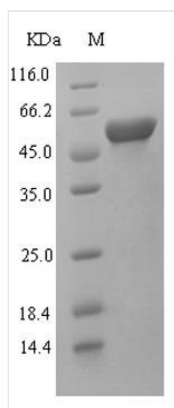
PRODUCT SYNONYMS

Kynurenine 3-monooxygenase; Recombinant Rat Kynurenine 3-monooxygenase; Kynurenine 3-hydroxylase; Kmo recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-384aa; Partial
Sequence	MASSDTEGKR VVIGGGGLVG ALNACFLAKR NFQVDVYEAR EDIRVANFMR GRSINLALS Y RGRQALKAVG LEDQIVSKGV PMKARMIHSL SGKKS AIPYG NKSQYILSIS REKLNKDLLT AVESYPNAKV HFGHKLSKCC PEEGILTMLG PNKVP RDITC DLIVGCDGAY STVRAHLMKK PRFDYSQQYI PHGYMELTIP PKNGEYAMEP NCLHIWPRNA FMMIALPNMD KSFTCTLFMS FEEFEKLPTH SDVLDFQKN FPD AIPLMGE QALMRDFFLL PAQPMISVKC SPFHLKSRV LMGDA AHAIV PFFGQGMNAG FEDCLVFDEL MDKFNNDSL SV CLPEFSRFRI PDDHAISDLS MYNYIEMRAH VNSRWFLFQR LLDK
Sequence Length	478
Species	Rat
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Kmo recombinant protein

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.

References	"A radiometric assay for kynurenine 3-hydroxylase based on the release of 3H ₂ O during hydroxylation of L-[3,5-3H]kynurenine." Erickson J.B., Flanagan E.M., Russo S., Reinhard J.F. Jr. Anal. Biochem. 205:257-262(1992)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11024672
NCBI GeneID	59113
NCBI Accession #	NP_067604.1
NCBI GenBank Nucleotide #	NM_021593.1
UniProt Accession #	O88867
Molecular Weight	59.5 kDa
NCBI Official Full Name	kynurenine 3-monooxygenase
NCBI Official Synonym Full Names	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)
NCBI Official Symbol	Kmo
NCBI Protein Information	kynurenine 3-monooxygenase
UniProt Protein Name	Kynurenine 3-monooxygenase
UniProt Gene Name	Kmo
UniProt Entry Name	KMO_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://www.aaabiotech.com/kmo-recombinant-protein-e-coli/115002>