

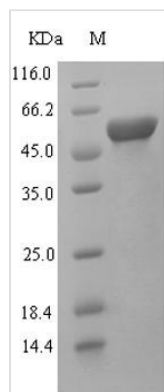


Recombinant Rat Kynurenine 3-monooxygenase (Kmo), partial

Product Code	CSB-EP012475RA
Relevance	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.
Abbreviation	Recombinant Rat Kmo protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O88867
Alias	Kynurenine 3-hydroxylase
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	<p> MASSDTEGKRVVVIGGGLVGALNACFLAKRNFQVDVYEAREDIRVANFMRGR SINLALSyrGRQALKAVGLEDQIVSKGVPMKARMIHSLSGKKSaIPYGNKSQYI LSISREKLNKDLLTAVESYPNAKVHFGHKLSKCCPEEGILTMLGPNKVPRDITC DLIVGCDGAYSTVRAHLMKKPRFDYSQQYIPHGYMELTIPPKNGEYAMEPNCL HIWPRNAFMMIALPNMDKSFTCTLFMSFEEFEKLPTHSDVLDFFQKNFPDAIPL MGEQALMRDFFLLPAQPMISVKCSPFHLKSRCVLMGDAAHAIVPFFGQGMNA GFEDCLVFDELMDKFNNDLVCLPEFSRFRIPDDHAISDLSMYNYIEMRAHVN SRWFLFQRLLDK </p>
Research Area	Others
Source	E.coli
Target Names	Kmo
Expression Region	1-384aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	59.5kDa
Protein Length	Partial



Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.