

Recombinant Mouse Kmo Protein, Myc/DDK-tagged

Cat. No. Kmo-3728M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length kynurenine 3-monooxygenase (kynurenine 3-hydroxylase) (Kmo), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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 Mass	55 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Kmo kynurenine 3-monooxygenase (kynurenine 3-hydroxylase) [Mus musculus (house mouse)]
Official Symbol	Kmo
Synonyms	KMO; kynurenine 3-monooxygenase (kynurenine 3-hydroxylase); kynurenine 3-monooxygenase; kynurenine 3-hydroxylase; A1046660
Gene ID	98256
mRNA Refseq	NM_133809
Protein Refseq	NP_598570
UniProt ID	Q91WN4

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