Datasheet for ABIN2724434

KMO Protein (Myc-DYKDDDDK Tag)

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Overview

Quantity:	20 µg
Target:	KMO
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KMO protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	• Recombinant human Kynurenine 3-monooxygenase / KMO protein expressed in HEK293 cells. • Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	KMO
Alternative Name:	Kynurenine 3-Monooxygenase,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

Target Details

	signaling in pancreatic beta cells, osteoblasts, myocardial cells, and the gastrointestinal tract. [UniProtKB/Swiss-Prot Function]
Molecular Weight:	55.6 kDa
NCBI Accession:	NP_003670

Application Details

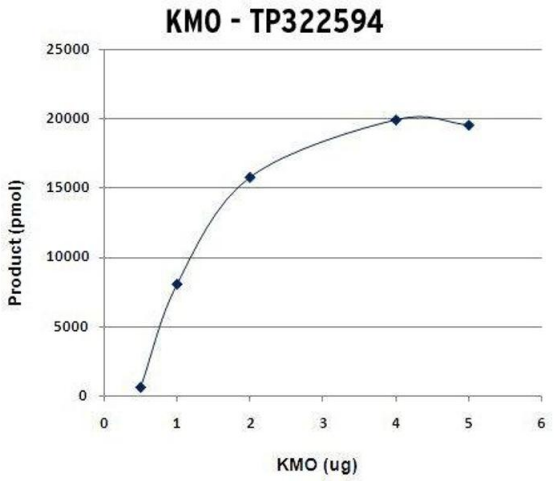
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

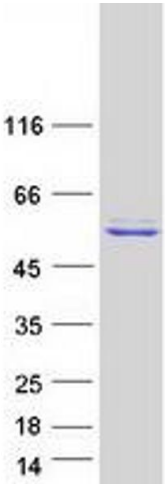
Publications

Product cited in:	Dong, Liu, Xuan, Wang, Ma, Zhang: "Tumor LDH-A expression and serum LDH status are two metabolic predictors for triple negative breast cancer brain metastasis." in: **Scientific reports**, Vol. 7, Issue 1, pp. 6069, (2019) (PubMed).



Activity Assay

Image 1. Bioactivity measured with Activity Assay



Western Blotting

Image 2. Validation with Western Blot

