

Recombinant Human KMO Protein, His-tagged

Cat. No. KMO-2376H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human KMO Protein (Met1-Ser374) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ser374
Description	This gene encodes a mitochondrion outer membrane protein that catalyzes the hydroxylation of L-tryptophan metabolite, L-kynurenine, to form L-3-hydroxykynurenine. Studies in yeast identified this gene as a therapeutic target for Huntington disease.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 46.0 kDa Accurate Molecular Mass: 45 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	KMO kynurenine 3-monooxygenase (kynurenine 3-hydroxylase) [Homo sapiens (human)]
Official Symbol	KMO
Synonyms	KMO; kynurenine 3-monooxygenase (kynurenine 3-hydroxylase); kynurenine 3-monooxygenase; kynurenine 3-hydroxylase; dJ317G22.1;
Gene ID	8564
mRNA Refseq	NM_003679
Protein Refseq	NP_003670
MIM	603538

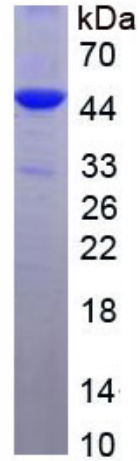
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UniProt ID

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