Active Recombinant Human KMO Protein, N-Met and 6×His tagged

Cat. No. KMO-35H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KMO Protein with N-Met and 6×His tag was expressed in Baculovirus.
Species	Human
Source	Insect Cells
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.
Bio-activity	Measured by the consumption of NADPH by hydroxylation of L-kynurenine to 3-hydroxy-kynurenine. The specific activity is >290 pmol/min/μg, as measured under the described conditions.
Molecular Mass	Predicted Molecular Mass: 51 kDa SDS-PAGE: 40-45 kDa, reducing conditions
N-terminal Sequence Analysis	Inconclusive results, intact N-terminus verified by anti-poly-His Western
Endotoxin	< 1.0 EU/μg of the protein by the LAL method.

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Purity	> 80%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 μg per lane.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -70 centigrade as supplied. 3 months, -70 centigrade under sterile conditions after opening.
Storage Buffer	Supplied as a 0.2 μm filtered solution in Tris, NaCl and Brij-35.
Shipping	The product is shipped with dry ice or equivalent.

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
UniProt ID	O15229

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