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Product datasheet for RN208555

Kmo (NM_021593) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kmo (NM_021593) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kmo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>RN208555 representing NM_021593
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCATCGTCGGACACTGAAGGAAAAAGAGTGGTTGTTATCGGTGGTGGTTTGGTTGGAGCATTGAACG
CGTGCTTTCTCGCAAAGAGGAATTTCCAAGTTGATGTGTACGAAGCTAGGGAAGATATTCGAGTGGCTAA
CTTTATGCGTGGAAGAAGCATTAATTTGGCCCTTTCTTATAGAGGACGGCAGGCCTTGAAGGCCGTTGGT
CTGGAAGATCAGATCGTGTCCAAAGGTGTGCCCATGAAAGCCAGAATGATCCACTCTCTCTCGGGAAAGA
AGTCTGCAATTCCCTATGGGAACAAGTCACAGTATATCCTTTCAATAAGCAGAGAAAAGTTAAACAAGGA
TCTGCTGACTGCCGTGGAGTCCTACCCCAATGCAAAGGTGCACTTTGGCCACAAGCTGTCAAAATGCTGT
CCGGAGGAAGGGATACTCACGATGCTTGGACCCAACAAAGTTCCCAGAGACATCACGTGTGACCTCATTG
TAGGATGTGATGGGGCCTACTCAACTGTCAGAGCTCACCTCATGAAGAAGCCCCGTTTTGATTACAGTCA
GCAATATATCCCTCATGGCTATATGGAGCTGACAATTCCACCTAAGAACGGGGAGTATGCCATGGAACCT
AACTGTCTTCACATTTGGCCTAGAAATGCCTTTATGATGATCGCCCTACCGAACATGGACAAATCTTTCA
CATGCACCTTGTTCATGTCCTTTGAGGAGTTTGAAAAGCTTCCAACGCATAGTGATGTGCTGGACTTCTT
CCAGAAGAACTTTCCAGATGCCATCCCTCTGATGGGCGAGCAAGCCCTCATGAGAGATTTCTTTCTGTTG
CCTGCCCAGCCCATGATATCAGTAAAGTGCTCTCCCTTCCACCTGAAGTCACGCTGTGTGCTGATGGGAG
ATGCAGCTCATGCCATCGTCCCATTTTTTGGGCAAGGAATGAATGCGGGCTTTGAAGACTGCTTGGTATT
TGATGAGTTAATGGACAAATTCAATAATGATCTTAGTGTGTGCCTTCCTGAATTCTCAAGATTTAGGATT
CCTGATGACCATGCAATTTCAGACCTGTCTATGTACAATTACATAGAGATGCGAGCGCATGTCAACTCTA
GGTGGTTCCTGTTTCAAAGGCTCCTGGATAAATTTCTTCATGCACTAATGCCATCCACTTTCATCCCTCT
CTATACCATGGTCGCCTTCACCAGAATAAGATACCACGAGGCAGTGCTGCGCTGGCATTGGCAAAAAAAG
GTGATAAACAGAGGACTCTTTGTCCTTGGGTCCCTGGTAGCCATTGGAAGTGCCTACATACTCGTGCACC
ACCTGTCCCCGAGACCTCTGGAACTCCTGAGATCTGCCTGGACGGGAACCTCTGGCCACTGGAATAGGAG
TGCAGACATTTCTCCACGAGTTCCATGGAGTCACTAG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1802_f03.zip

Restriction Sites: SgfI-RsrII

ACCN: NM_021593

Insert Size: 1437 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_021593.1, NP_067604.1
RefSeq Size:	1733 bp
RefSeq ORF:	1437 bp
Locus ID:	59113
UniProt ID:	O88867
Cytogenetics:	13q25
Gene Summary:	human homolog is an NADPH-dependent flavin monooxygenase that catalyzes the hydroxylation of L-kynurenine to form L-3-hydroxykynurenine [RGD, Feb 2006]