

Product datasheet for **MC207294**

Got2 (NM_010325) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Got2 (NM_010325) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Got2
Synonyms:	AL022787; FABP-pm; Got-2; Kyat4; mAspAT
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207294 representing NM_010325 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGCCCTCTGCACTCCAGCCGCATCCTCTCCGGGATGGCTGCTGCCTTTCACCCAGGCCCTAGCTGCTG
CAGCCTCTGCCAGAGCCAGCTCCTGGTGGACCCATGTTGAAATGGGACCTCCAGATCCCATCCTGGGCGT
TACCGAAGCCTTCAAGAGAGATACCAACAGCAAGAAGATGAACCTGGGAGTTGGTGCCTACCGGGATGAT
AACGGAAAACCTTACGTGCTCCCAAGTGTCCGGAAGGCAGAGGCCAGATTGCTGCAAAAAATTTGGACA
AAGAATACCTGCCATTGGGGGACTGGCTGAATTCGTGAAGGCTTCTGCAGAAGTGGCCCTGGGCGAGAA
CAATGAAGTGTGAAAAGCGCCGGTTCGTCACCTGTGCAGACCATTTCCGGGACTGGAGCCTTAAGGGTC
GGGGCCAGTTTTCTGCAAAGTTTTTAAAGTTCAGCCGAGATGTCTTTCTGCCAAACCATCCTGGGGAA
ATCACAGCCCATCTTCAGGGATGCCGGCATGCAGCTCCAAGTTATCGCTACTATGACCCCAAGACTTG
CGGTTTTGACTTCTCTGGAGCCCTAGAAGACATATCAAAAATCCCAGAGCAGAGTGTCTCTCTCTGCAT
GCCTGCGCTCACAAACCCACCGCGTGGACCCGCGTCCCGAGCAGTGAAGGAGATAGCCTCCGTGGTGA
AGAAAAAGAATCTCTTCGATTCTTTGACATGGCCTACCAAGGCTTTGCCAGCGGTGATGGTGATAAGGA
TGCTTGGCCCGTGCGGCACTTCATCGAGCAGGGCATCAATGTCTGCCTCTGCCAATCGTATGCCAAGAAC
ATGGGCCGTGACGGTGAGCGTGTGGGAGCCTTACGGTGGTCTGCAAAGATGCAGAAGAAGCCAAAAGGG
TGGAGTCACAGCTGAAGATCTTGATCCGTCCTGATTCCAACCCACCTCTCAATGGGGCCCGGATCGC
AGCAACCATCCTGACTTCTCCAGACTTGCAGCAAGCAATGGTTGCAAGAGGTGAAAGGCATGGCTGACCCG
ATCATCAGCATGAGGACCCAGCTGGTCTCCAACCTGAAGAAAGAGGGCTCTTCCCAACTGGCAGCACA
TCACCGACCAGATCGGCATGTTCTGTTTACCAGGCTAAAGCCAGAGCAGGTAGAGCGGCTGACCAAGGA
GTTCTCGGTCTACATGACAAAGGATGGCCGAATCTCCGTGGCAGGGGTACCTCTGGCAATGTGGGCTAC
CTTGCCCATGCCATTACCAGGTCACCAAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_010325
Insert Size:	1293 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_010325.2 , NP_034455.1
RefSeq Size:	2345 bp
RefSeq ORF:	1293 bp
Locus ID:	14719
UniProt ID:	P05202
Cytogenetics:	8 47.79 cM
Gene Summary:	Catalyzes the irreversible transamination of the L-tryptophan metabolite L-kynurenine to form kynurenic acid (KA). Plays a key role in amino acid metabolism. Important for metabolite exchange between mitochondria and cytosol. Facilitates cellular uptake of long-chain free fatty acids.[UniProtKB/Swiss-Prot Function]