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Product datasheet for MC225834

Cck (NM_001284508) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cck (NM_001284508) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cck
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225834 representing NM_001284508 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAAGAGCGGCGTATGTCTGTGCGTGGTGATGGCAGTCCTAGCTGCTGGCGCCCTGGCGCAGCCGGTAG TCCCTGCAGAAGCTACGGACCCCGTGGAGCAGCGGGCGCAAGAGGCGCCCCGAAGGCAGCTGCGGGCTGT GCTCCGGACGGACGGCGAGCCCCGAGCGCGCCTGGGCGCACTGCTAGCGCGATACATCCAGCAGGTCCGC AAAGTGGCATGGATGGTGACCTCTGGTTGGGTGTTAACCTGGACCAGTAGAGCTGGATTAAAACACAGGA GGTGGGCATCCTTTCTGTGGAGCTCACGAACCCAATTTTTCCTGCCCGCATTTGAACAGCCCATGGCTTG TCGACCTGTCTGCATTTGGCTTGACTGCTCCTTCTGGCCGCATGTCCGTTCTTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001284508
Insert Size:	405 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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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_001284508.2, NP_001271437.1
RefSeq Size:	870 bp
RefSeq ORF:	405 bp
Locus ID:	12424
UniProt ID:	P09240
Cytogenetics:	9 F4
Gene Summary:	This gene encodes a member of the gastrin/cholecystokinin family of proteins. The encoded preproprotein is proteolytically processed to generate multiple protein products, including the peptide hormones cholecystokinin-8, -12, -33, and others. The encoded peptides have been shown to regulate gastric acid secretion and food intake. A sulfated form of cholecystokinin-8 may modulate neuronal activity in the brain. Homozygous knockout mice for this gene exhibit impaired insulin secretion, enhanced insulin sensitivity, and resistance to obesity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2015] Transcript Variant: This variant (2) contains an alternate exon in the coding region, which results in a frameshift, compared to variant 1. The encoded protein (isoform 2) is longer, has a distinct C-terminus, compared to isoform 1. It is not known whether this isoform (2) is proteolytically processed in the same manner as isoform 1.

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