

Product datasheet for MC210500

Lipt2 (NM_026010) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lipt2 (NM_026010) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lipt2
Synonyms:	2610209A20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210500 representing NM_026010 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCTGCCTGTGGTCCGGCTCGTTTGGCTTGGTCGGGTGCACTACTCGGAGCTGCTGGCGTTGCAGG
AGCATTGGCTACGGCGGCTACAGGCAGACCCTCGCCCTGGGACCCTGTCGGGGACCAAAGCGGGTGTGCT
CTTGGTCTGCGAGCCAGCGGGGCCGTATACACGGCGGGCTACGCGGTGGCCTGACACCCGAGGAGACT
ACGCGGCTGAGGGCCTTGGCGCCGAGGTGCGGCCACCGCCGCGCGGCTGGCCACTTCCACGGCC
CGGGCCAGTTGCTCTGCCACCCGGTGTGACTTGC GGCTCCTAGGCCTGCGCCTGCGCACCCACGTGGC
GGCGCTGGAGGCGTGC GCGTGC GACTGTGCGAACTTCGGGGCCTGCAGGGCGCCCGCGCGGCCGCC
CCCTACACTGGCGTCTGGCTGGGGGAGCGCAAGATCTGCGCGATCGGAGTCCGCTGTGGAAGACACATCA
CGTCCCACGGCTTGGCTCTGAACTGTTCAACCGACCTCACATGGTTTGGACACATTGTGCCTTGTGGACT
GGTTGGAAGTGGAGTCACTTCCCTGAGTGAGGCGCTTCAAAGACTTGTCACTGTGGATGAAGTAATGCCA
TCATTCTTGTGGCATTCAAGGAGACTTCAAGTGCACGTTAATCTCTGAGGACAGCCCCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_026010
Insert Size:	696 bp



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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_026010.2 , NP_080286.2
RefSeq Size:	1235 bp
RefSeq ORF:	696 bp
Locus ID:	67164
UniProt ID:	Q9D009
Cytogenetics:	7 E2
Gene Summary:	Catalyzes the transfer of endogenously produced octanoic acid from octanoyl-acyl-carrier-protein onto the lipoyl domains of lipoate-dependent enzymes, which catalyze essential redox reactions (By similarity). Lipoyl-ACP can also act as a substrate although octanoyl-ACP is likely to be the physiological substrate (By similarity).[UniProtKB/Swiss-Prot Function]