

Product datasheet for MR205773

Lipt1 (NM_001037918) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lipt1 (NM_001037918) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lipt1
Synonyms:	EG623661
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205773 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTAATTCACCTTTCAATGAAGAATTGCTTCCGATTACTTTGTCAGCACAAGGTCCCAGCAGCTGGCT
TAAAAGCCACCCACACATGGGCTCATTTTACAGTCGATCTCCAATGATGTATATGAAATCTGGCTTT
TGAAGACTGGATCCAGACCACATACATCTAGAAGGCAAGCCGATTCTTTTCTTTGGAGAAATTCCTCT
TCTGTCGTCATCGGCAGGCATCAGAATCCGTGGCAGGAATGTAACCTCCATCTGATGAGACAGGAAGGAA
TCAAAGTGGCTCGGAGGAAGAGTGGAGGAGGAGCCGTGTACCACGACATGGTAACATCAACCTCACCTT
CTTACCACAAAACCAAGTATGACAGAATGAAAATCTGAAACTAATCGTGAGAGCTCTGAATGCTGTC
CAACCCAGCTGGATGTGCAGCCTACAAAAAGTTTGACCTGCTACTCGACGGGCAGTTTAAATCTCAG
GAACCGCATCAAAGATCGGCCGGACTGCCGCGTACCACCACTGCACCTTGCTATGCAGCACAACCGGAC
AGCTCTGTCTTCTCGCTGAAGAGCCCGTACTGCGGGATAAAGAGCAACGCCACTCCCAGCATCCCTTCC
GCTGTCAAAAACCTTCTGGAAAGAGATTCCACGCTGACCTGTGAAGTTCTGATGAGTGGGTGGCTGCAG
AGTACGCGCGCATCATCAAGTTGATGGTCACGTCAACCTAATAAACCTGCAGATGAGACGATGTTCCC
TGAATAAACCGCAAAGTCAAGGAAGTCAAAGTTGGGAGTGGGTATACGGCAGGACTCCAAGTTTACC
GTGGACACCACGTTTCATGTGCCGATGAGCAGGCGCATTGGAAATCCAAGTGTTCATGGATGTAAGA
ACGGACGAATCGAAACCTGCGCTATTAAGGCACCCGATCACTGGCTGCCGCTGGAATAGGTGAGAAATT
AAACTCAAGTTTCATCGGCAGCAAATTCGCCCGTTGAAACCACCTGTAACGAATGTATTACTGAGA
ACATGTCCAGGCGACCATCACTTACACAGTAAATGGTACATTCTGTGTGAAAAATCAGGGGGATAATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205773 protein sequence
 Red=Cloning site Green=Tags(s)

MLIPLSMKNCFRLLCQHKVPAAGFKSPPTHGLILQSSISNDVYENLAFEDWIHDHIIHLEGKPIFLWRNSP
 SVVIGRHQNPWQECNLHLMRQEGIKLARRKSGGGAVYHDMGNINLTFFTTKKYDRMENLKLIVRALNAV
 QPQLDVQPTKKFDLLLDGQFKISGTASKIGRTAAYHHCTLLCSTNRTALSSSLKSPYCGIKSNATPSIPS
 AVKNLLERDSTLTCEVLMSAVAAEYAAHHQVDGHVNLINPADETMFPGINRKVKELQSWEWVYGRTPKFT
 VDTTFHVPYEQAHLEIQVFMVDKNGRIETCAIKAPDHWLPLEIGEKLNSFFIGSKFCPVETLLTNVLLR
 TPCGDHHLHASKWYILCEKIRGIM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001037918

ORF Size: 1122 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001037918.4](#)

RefSeq Size: 1555 bp

RefSeq ORF: 1122 bp

Locus ID: 623661

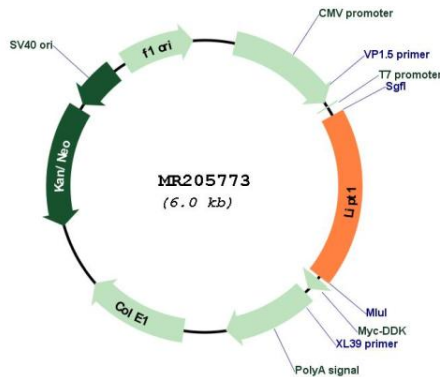
UniProt ID: [Q8VCM4](#)

Cytogenetics: 1 B

MW: 42.1 kDa

Gene Summary: Catalyzes the transfer of the lipoyl group from lipoyl-AMP to the specific lysine residue of lipoyl domains of lipoate-dependent enzymes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205773