

Product datasheet for **RC200824**

LZTS2 (NM_032429) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LZTS2 (NM_032429) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LZTS2
Synonyms:	LAPSER1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC200824 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCATTGTGCAGACTCTGCCAGTGCCACTGGAGCCTGCTCCTGAAGCTGCCACTGCCCCACAAGCTC
CAGTCATGGGTAGTGTGAGCAGCCTTATCTCAGGCCGGCCCTGTCCCGGGGGGCCAGCTCCTCCCCGCCA
CCACGGCCCTCCTGGGCCACCTTCTTCCGCCAGCAGGATGGCCTGCTACGGGGTGGCTATGAGGCACAG
GAGCCGCTGTGCCAGCTGTGCCCCCTAGGAAGGCTGTCCCTGTCACCAGCTTACCTACATCAATGAGG
ACTTCCGGACAGAGTCACCCCCAGCCCAAGCAGTGATGTTGAGGATGCCCGAGAGCAGCGGGCACACAA
TGCCACCTCCGCGGCCACCACCAAAGCTCATCCCTGTCTCTGGAAAGCTGGAGAAGAATGGAGAAG
ATCCTGATCCGCCAACAGCCTCAAGCCAGTGTGCCAAACCTCGAGGGGCTCCGTCCTGCCTAGCT
TCATGGGTCTCGGGCCACCGGGCTGTCTGGGAGCCAGGGCAGCCTGACGCAGCTGTTTGGGGGCCCTGC
CTCCTCCTCCTCTTCTCCTCCTCTTTCAGCTGCTGACAAACCCTGGCATTTAGTGGCTGGGCCAGT
GGCTGCCCATCAGGGACGCTATCCGACTCTGGCCGAAACTCACTGTCCAGCTGCCACCTACAGACCCG
GAGGTGCCGAGCCAACCACAGCTCCCCAGGCGGGCACCTGCCTTCCCATGGCTCTGGGGCAGGGGCACT
GCCTGGGCCAGCCGAGGGGTCCCTACTGGGCCCTCCCACTCAGACAGTGGCCGGTCTCCTCCAGCAAG
AGCACAGGCTCCTAGGGGGCCGTGTGGCTGGGGGGCTTTGGGCAGTGGTACTCGGGCCTCCCCTGACA
GCAGCTCCTGTGGGGAGCGCTCACCACCACCCCGCCTCCACCTCCTTCGGATGAGGCCCTGCTGCACTG
TGTCTTGAAGGAAAGCTCCGAGACCGGGAGGCAGAGCTTACAGAGCTGCGGGACAGTCTGGACGAGAAT
GAGGCTACCATGTGCCAGCATAACGAGGAGCGGCAGCGGCACTGGCAGCGAGAGCGTGGGCCCTGCGAG
AGGACTGTGCGGCCAGGCACAGCGGGCACAGCGGGCCCAACAGCTGCTGCAGCTGCAGGTGTTCCAGCT
GCAGCAGGAGAAGCGGCAATTGCAGGACGACTTCGCACAGCTGCTGCAGGAGCGGAAACAGCTGGAGCGG
CGCTGCGCCACCTTGGAGCGGGAGCAGCGGGAGCTCGGGCCGAGGCTTGGAGAGACCAAGTGGGAGGTGT
GCCAGAAATCAGGCGAGATCTCCCTGCTGAAGCAGCAGCTGAAAGAGTCTCAGGCAGAGCTGGTGCAGAA
GGGCAGCGAGCTGGTGGCTCTGCGGGTGGCGCTGCGGGAGGCCCGTGTACGCTGCGGGTCACTGAGGGC
CGTGCAGGGGTCTACAGGAGGCCCGCCGAGCTCGGGAGCTGGAGCTGGAAGCCTGTTCCAGGAGCTGC
AGCGACACCGCCAGGAAGCTGAGCAGCTGCGGGAGAAAGCTGGGCAGTTGGATGCTGAGGCGCCGGACT
CCGGGAGCCCCCTGTGCCACCTGCCACCCTGACCCATTCTCCTGGCAGAGAGTGTGAGGCCAAAGTG
CAGCGGGCAGCAGCCGGGTTGGGGCAGCTTGCGGGCCAGGTGGAGCGATTGCGGGTGGAGCTGCAGC
GGGAGCGCGCGGGGTGAGGAGCAGCGGGACAGCTTTGAGGGGAGCGGCTGGCCTGGCAGGCAGAGAA
GGAGCAGGTGATCCGCTACCAGAAGCAGCTGCAGCACAACATCCAGATGTACCGGCGCAACCGGAG
CTAGAGCAGGAGCTGCAGCAGCTCAGCCTGGAGCTGGAGGCCCGGGAGCTCGCTGACCTGGGCTGGCCG
AGCAGGCCCCCTGCATCTGCCTGGAGGAGTCACTGCTACTGAGATC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_032429.4](#)

RefSeq Size: 2858 bp

RefSeq ORF: 2010 bp

Locus ID: 84445

UniProt ID: [Q9BRK4](#)

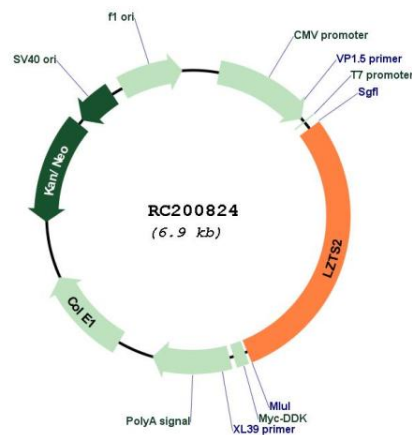
Cytogenetics: 10q24.31

Protein Families: Druggable Genome

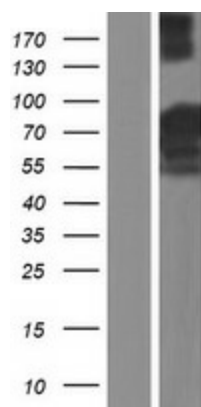
MW: 72.8 kDa

Gene Summary: The protein encoded by this gene belongs to the leucine zipper tumor suppressor family of proteins, which function in transcription regulation and cell cycle control. This family member can repress beta-catenin-mediated transcriptional activation and is a negative regulator of the Wnt signaling pathway. It negatively regulates microtubule severing at centrosomes, and is necessary for central spindle formation and cytokinesis completion. It is implicated in cancer, where it may inhibit cell proliferation and decrease susceptibility to tumor development. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2015]

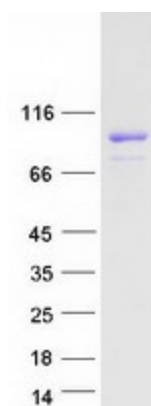
Product images:



Circular map for RC200824



Western blot validation of overexpression lysate (Cat# [LY410123]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200824 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LZTS2 protein (Cat# [TP300824]). The protein was produced from HEK293T cells transfected with LZTS2 cDNA clone (Cat# RC200824) using MegaTran 2.0 (Cat# [TT210002]).