

Recombinant Human LZTS2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LZTS2-1125H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LZTS2 MS Standard C13 and N15-labeled recombinant protein (NP_115805) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	72.8 kDa
AA Sequence	MAIVQTLVPLEPAPEAATAPQAPVMGSVSSLISGRPCPGGPAPPRHHGPPGPPTFF RQQDGLLRGGYEAQEPLCPAVPPRKAVPVTSFTYINEDFRTESPPSPSSDVEDARE QRAHNAHLRGPPPKLIPVSGKLEKNMEKILIRPTAFKPVLPKPRGAPSLPSFMGPRAT GLSGSQGSLTQLFGGPASSSSSSSSSSAADKPLAFSGWASGCPSGTLSDSGRNSL SSLPTYSTGGAEPPTSSPGGHLPSHGSGRGALPGPARGVPTGPSHSDSGRSSSSK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

STGSLGGRVAGLLGSGTRASPDSSSCGERSPPPPPPPSDEALLHCVLEGKLRD
 REAELQQLRDSLDENEATMCQAYEERQRHWQREREREALREDCAAQAQRAQRAQQL
 LQLQVFQLQQEKRLQDDFAQLLQEREQLERRCATLEREQRELGPRLEETKWEVC
 QKSGEISLLKQQLKESQAEVLVQKSELVALRVALREARATLRVSEGRARGLQEAAAR
 ARELELEACSQELQRHRQAEQLREKAGQLDAEAAGLREPPVPPATADPFLAESD
 EAKVQRAAAGVGGSLRAQVERLRVELQRERRRGEEQRDSFEGERLAWQAEKEQVI
 RYQKQLQHNYIQMYRRNRQLEQELQQLSLELEARELADLGLAEQAPCICLEEITATEI
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name LZTS2 leucine zipper tumor suppressor 2 [Homo sapiens (human)]

Official Symbol LZTS2

Synonyms LZTS2; leucine zipper tumor suppressor 2; LAPSER1; leucine zipper putative tumor suppressor 2; leucine zipper, putative tumor suppressor 2; protein LAPSER1

Gene ID 84445

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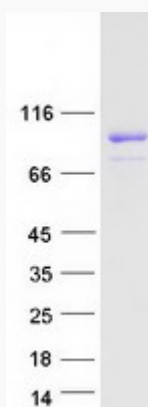
mRNA Refseq NM_032429

Protein Refseq NP_115805

MIM 610454

UniProt ID Q9BRK4

SDS-PAGE



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