

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	MAIVQTLVPLEPAPEAATAPQAPVMGSVSSLISGRPCPGGPAPPRHHGPPGPTFF RQQDGLLRGGYEAQEPLCPAVPPRKAVPVTSFTYINEDFRTESPPSPSSDVEDARE QRAHNAHLRGPPPKLIPVSGKLEKNMEKILIRPTAFKPVLPKPRGAPSLPSFMGPRAT GLSGSQGSLTQLFGGPASSSSSSSSSSAADKPLAFSGWASGCPSGTLSDSGRNSL SSLPTYSTGGAEPPTSSPGGHLP SHGSGRGALPGPARGVPTGPSHSDSGRSSSSK

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STGSLGGRVAGLLGSGTRASPDSSSCGERSPPPPPPPSDEALLHCVLEGKLRD
 REAELQQLRDSLDENEATMCQAYEERQRHWQREREREALREDCAAQAQRAQRAQQL
 LQLQVFQLQQEKRLQDDFAQLLQEREQLERRCATLEREQRELGPRLEETKWEVC
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 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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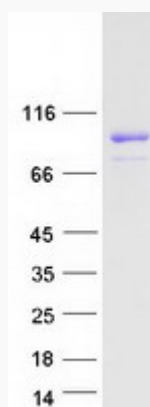
mRNA Refseq [NM_032429](#)

Protein Refseq [NP_115805](#)

MIM [610454](#)

UniProt ID [Q9BRK4](#)

SDS-PAGE



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