

Recombinant Full Length Human LZTS2 Protein, GST-tagged

Cat. No. LZTS2-6053HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LZTS2 full-length ORF (NP_115805.1, 1 a.a. - 669 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	669 amino acids
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. [provided by RefSeq, Dec 2015]
Molecular Mass	99.2 kDa
AA Sequence	MAIVQTLVPLEPAPEAATAPQAPVMGSVSSLISGRPCPGGPAPPRHHGPPGPTFF RQQDGLLRGGYEAQEPLCPAVPPRKAVPVTSFTYINEDFRTESPPSPSSDVEDARE QRAHNAHLRGPPPKLIPVSGKLEKNMEKILIRPTAFKPVLPKPRGAPSLPSFMGPRAT GLSGSQGSLTQLFGGPASSSSSSSSSSAADKPLAFSGWASGCPSGTLSDSGRNSL SSLPTYSTGGAEPPTSSPGGHLP SHGSGRGALPGPARGVPTGPSHSDSGRSSSSK

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STGSLGGRVAGGLLGSGTRASPDSSSCGERSPPPPPPPSDEALLHCVLEGKLRD
 REAELQQLRDSLDENEATMCQAYEERQRHWQREREREALREDCAAQAQRAQRAQQL
 LQLQVFQLQQEKRLQDDFAQLLQEREQLERRCATLEREQRELGPRL EETKWEVC
 QKSGEISLLKQQLKESQAELVQKGSELVALRVALREARATLRVSEGRARGLQEAAAR
 ARELELEACSQELQRHRQAEQLREKAGQLDAEAAGLREPPVPPATADPFLAESD
 EAKVQRAAAGVGGSLRAQVERLRVELQRERRRGEEQRDSFEGERLAWQAEKEQVI
 RYQKQLQHNYIQMYRRNRQLEQELQQLSLELEARELADLGLAEQAPCICLEEITATEI

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

<https://www.ncbi.nlm.nih.gov/gene/?term=84445>

mRNA Refseq

[NM_001318099](#)

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Protein Refseq	NP_001305028
MIM	610454
UniProt ID	Q9BRK4

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