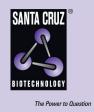
SANTA CRUZ BIOTECHNOLOGY, INC.

Ribosomal Protein L28 (h2): 293T Lysate: sc-174734



BACKGROUND

The genes encoding for mammalian Ribosomal Proteins comprise multigene families that consist predominantly of multiple processed pseudogenes and one functional intro-containing gene within their coding regions. Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. 60S Ribosomal Protein L28 is encoded by the RPL28 gene. This protein which is a structural constituent of the ribosome, is an RNA binding protein involved in protein biosynthesis.

REFERENCES

- Gross, T., Nischt, R., Gatermann, K., Swida, U. and Kaufer, N.F. 1988. Primary structure of the ribosomal protein gene S6 from *Schizosaccharomyces* pombe. Curr. Genet. 13: 57-63.
- Lott, J.B. and Mackie, G.A. 1988. Isolation and characterization of cloned cDNAs that code for human Ribosomal Protein S6. Gene 65: 31-39.
- Heinze, H., Arnold, H.H., Fischer, D. and Kruppa, J. 1988. The primary structure of the human Ribosomal Protein S6 derived from a cloned cDNA. J. Biol. Chem. 263: 4139-4144.
- Wool, I.G., Chan, Y.L., Paz, V. and Olvera, J. 1990. The primary structure of rat ribosomal proteins: the amino acid sequences of L27a and L28 and corrections in the sequences of S4 and S12. Biochim. Biophys. Acta 1050: 69-73.
- Feo, S., Davies, B. and Fried, M. 1992. The mapping of seven intron-containing Ribosomal Protein genes shows they are unlinked in the human genome. Genomics 13: 201-207.
- Frigerio, J.M., Dagorn, J.C. and Iovanna, J.L. 1995. Cloning, sequencing and expression of the L5, L21, L27a, L28, S5, S9, S10 and S29 human Ribosomal Protein mRNAs. Biochim. Biophys. Acta 1262: 64-68.
- 7. Hernandez, V.P. and Fallon, A.M.1999. Ribosomal Protein S6 cDNA from two *Aedes mosquitoes* encodes a carboxyl-terminal extension that resembles Histone H1 proteins. Genetica 106: 263-267.

CHROMOSOMAL LOCATION

Genetic locus: RPL28 (human) mapping to 19q13.42.

PRODUCT

Ribosomal Protein L28 (h2): 293T Lysate represents a lysate of human Ribosomal Protein L28 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.

APPLICATIONS

Ribosomal Protein L28 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive Ribosomal Protein L28 antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

Santa Cruz Biotechnology, Inc. 1.800.457.3801 831.457.3801 Fax 831.457.3801 Europe +00800 4573 8000 49 6221 4503 0 www.scbt.com