SANTA CRUZ BIOTECHNOLOGY, INC.

# TECPR1 (m2): 293T Lysate: sc-117889

## BACKGROUND

TECPR1 (tectonin β-propeller repeat-containing protein 1) is a 1,165 amino acid protein that exists as 2 alternatively spliced isoforms and may be involved in the autophagy pathway. TECPR1 belongs to the UPF0584 family and contains nine TECPR repeats and one PH domain. The gene that encodes TECPR1 contains approximately 37,628 bases and maps to human chromosome 7q21.3. Housing over 1,000 genes, chromosome 7 comprises nearly 5% of the human genome. Chromosome 7 has been linked to Osteogenesis imperfecta, Pendred syndrome, lissencephaly, Citrullinemia and Shwachman-Diamond syndrome. The deletion of a portion of the q arm of chromosome 7 is associated with Williams-Beuren syndrome, a condition characterized by mild mental retardation, an unusual comfort and friendliness with strangers and an elfin appearance. Deletions of portions of the q arm of chromosome 7 are also seen in a number of myeloid disorders including cases of acute myelogenous leukemia and myelodysplasia.

## REFERENCES


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7. Ogawa, M. and Sasakawa, C. 2011. The role of Tecpr1 in selective autophagy as a cargo receptor. Autophagy 7: 1389-1391.
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## CHROMOSOMAL LOCATION

Genetic locus: Tecpr1 (mouse) mapping to 5 G2.

## PRODUCT

TECPR1 (m2): 293T Lysate represents a lysate of mouse TECPR1 transfected 293T cells and is provided as 100 µg protein in 200 µl 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.

## APPLICATIONS

TECPR1 (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive TECPR1 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.

## PROTOCOLS

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